



\$600,000,000
METROPOLITAN TRANSPORTATION AUTHORITY
Transportation Revenue Bond Anticipation Notes, Series 2019E

DATED: Date of Delivery

DUE: As Set Forth on the Inside Cover Page

The Transportation Revenue Bond Anticipation Notes, Series 2019E (the Series 2019E Notes), offered hereby are issued in accordance with the terms and provisions of the General Resolution Authorizing Transportation Revenue Obligations of MTA adopted on March 26, 2002 (the Transportation Resolution), as supplemented, including as supplemented by the Multiple Series 2019 Bond Anticipation Notes and Related Subordinated Indebtedness Transportation Revenue Bond Supplemental Resolution adopted by MTA on December 12, 2018, as amended on June 26, 2019 (the BAN Resolution). One or more series of bonds is expected to be issued to retire the Series 2019E Notes (the Take-Out Bonds), in accordance with the Transportation Resolution, as supplemented, including as supplemented by the Multiple Series 2019 Transportation Revenue Bond Supplemental Resolution adopted by MTA on December 12, 2018, as amended on June 26, 2019 (the Take-Out Bond Resolution, and together with the Transportation Resolution and the BAN Resolution, the Resolution).

The Series 2019E Notes are being issued to (i) finance existing approved transit and commuter projects and (ii) pay certain financing, legal, and miscellaneous expenses. See "APPLICATION OF PROCEEDS" herein.

Principal of and interest on the Series 2019E Notes are payable solely from (1) the proceeds of other notes, (2) the proceeds of the Take-Out Bonds and (3) with respect to interest payable on the Series 2019E Notes, amounts available for payment of subordinated indebtedness. The Series 2019E Notes are not secured by any other funds, accounts or amounts that are pledged to the payment of bonds or parity obligations issued under the Resolution. See "SOURCES OF PAYMENT AND SECURITY FOR THE SERIES 2019E NOTES".

The Series 2019E Notes are not a debt of the State of New York (the State), The City of New York (the City) or any other local government unit, and the State, the City and other local government units are not liable thereon. MTA has no taxing power.

In the opinion of Nixon Peabody LLP and D. Seaton and Associates, P.A., P.C., Co-Bond Counsel to MTA, under existing law and relying on certain representations by MTA and assuming the compliance by MTA with certain covenants, interest on the Series 2019E Notes is:

- *excluded from a noteholder's federal gross income under Section 103 of the Internal Revenue Code of 1986, and*
- *not a specific preference item for a noteholder in calculating the federal alternative minimum tax.*

Also in Co-Bond Counsel's opinion, under existing law, interest on the Series 2019E Notes is exempt from personal income taxes of the State and any political subdivisions of the State, including the City. See "TAX MATTERS" herein for a discussion of certain federal and State income tax matters.

The Series 2019E Notes are not subject to redemption prior to maturity.

The Series 2019E Notes are offered when, as, and if issued, subject to certain conditions, and are expected to be delivered through the facilities of The Depository Trust Company, on or about October 16, 2019.

This cover page contains certain information for general reference only. It is not intended to be a summary of the security or terms of the Series 2019E Notes. Investors are advised to read the entire offering memorandum, including all portions hereof included by specific cross-reference, to obtain information essential to making an informed decision.

\$600,000,000
Metropolitan Transportation Authority
Transportation Revenue Bond Anticipation Notes, Series 2019E

<u>Maturity Date</u>	<u>Interest Rate</u>	<u>CUSIP Number*</u>
September 1, 2020	4.00%	59261A A98

* The CUSIP number has been assigned by an organization not affiliated with MTA and is included solely for the convenience of the holders of the Series 2019E Notes. MTA is not responsible for the selection or uses of the CUSIP number, nor is any representation made as to its correctness on the Series 2019E Notes or as indicated above. The CUSIP number is subject to being changed after the issuance of the Series 2019E Notes as a result of various subsequent actions including, but not limited to, as a result of the procurement of secondary market portfolio insurance or other similar enhancement by investors that is applicable to all or a portion of the Series 2019E Notes.

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2 Broadway, 20th Floor
New York, New York 10004
(212) 878-7000
Website: www.mta.info

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Andrew B. Albert..... Non-Voting Member
Norman E. Brown..... Non-Voting Member
Sarah E. Feinberg.....Member
Randolph F. Glucksman Non-Voting Member
Rhonda HermanMember
David R. JonesMember
Linda A. Lacewell.....Member
Kevin LawMember
Robert W. LinnMember
David S. MackMember
Susan G. Metzger.....Member
Haeda B. MihaltsesMember
Robert F. Mujica, Jr.Member
John Samuelsen..... Non-Voting Member
Lawrence S. Schwartz.....Member
Vincent Tessitore, Jr. Non-Voting Member
Veronica Vanterpool.....Member
Neal Zuckerman.....Member

Veronique Hakim.....Managing Director
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San Francisco, California

Co-Financial Advisors

HAWKINS DELAFIELD & WOOD LLP
New York, New York
Special Disclosure Counsel

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SUMMARY OF TERMS

MTA has prepared this Summary of Terms to describe the specific terms of the Series 2019E Notes. The information in this offering memorandum, including the materials filed with the Electronic Municipal Market Access system of the Municipal Securities Rulemaking Board and included by specific cross-reference as described herein, provides a more detailed description of matters relating to MTA and to the Transportation Revenue Bonds. Investors should carefully review that detailed information in its entirety before making a decision to purchase any of the Series 2019E Notes being offered.

Issuer.....	Metropolitan Transportation Authority, a public benefit corporation of the State of New York.										
Notes Being Offered	Transportation Revenue Bond Anticipation Notes, Series 2019E (the Series 2019E Notes).										
Purpose of Issue	The Series 2019E Notes are being issued to (i) finance existing approved transit and commuter projects and (ii) pay certain financing, legal, and miscellaneous expenses. See “APPLICATION OF PROCEEDS” in Part I .										
Maturity and Rate	The Series 2019E Notes mature on the date and bear interest at the rate shown on the inside cover page.										
Denominations	\$5,000 and whole multiples of \$5,000.										
Interest Payment Dates.....	Interest on the Series 2019E Notes shall be paid at maturity. See “DESCRIPTION OF SERIES 2019E NOTES – General – Interest Payments” in Part I .										
Redemption.....	The Series 2019E Notes are not subject to redemption prior to maturity.										
Sources of Payment and Security.....	Principal of and interest on the Series 2019E Notes are payable solely from (1) the proceeds of other notes, (2) the proceeds of the Take-Out Bonds and (3) with respect to interest payable on the Series 2019E Notes, amounts available for payment of subordinated indebtedness. The Series 2019E Notes are not secured by any other funds, accounts or amounts that are pledged to the payment of bonds or parity obligations issued under the Resolution. See “SOURCES OF PAYMENT AND SECURITY FOR THE SERIES 2019E NOTES” in Part I .										
Registration of the Series 2019E Notes	DTC Book-Entry-Only System. No physical certificates evidencing ownership of a bond will be delivered, except to DTC.										
Trustee	The Bank of New York Mellon, New York, New York.										
Co-Bond Counsel.....	Nixon Peabody LLP, New York, New York, and D. Seaton and Associates, P.A., P.C., New York, New York.										
Special Disclosure Counsel.....	Hawkins Delafield & Wood LLP, New York, New York.										
Tax Status	See “TAX MATTERS” in Part III .										
Ratings	<table border="0" style="margin-left: 20px;"> <tr> <td style="text-align: right;"><u>Rating Agency</u></td> <td style="text-align: left;"><u>Rating</u></td> </tr> <tr> <td style="text-align: right;">Fitch:</td> <td style="text-align: left;">F1+</td> </tr> <tr> <td style="text-align: right;">KBRA:</td> <td style="text-align: left;">K1+</td> </tr> <tr> <td style="text-align: right;">Moody’s:</td> <td style="text-align: left;">MIG1</td> </tr> <tr> <td style="text-align: right;">S&P:</td> <td style="text-align: left;">SP-1</td> </tr> </table> <p style="margin-left: 20px;">See “RATINGS” in Part III.</p>	<u>Rating Agency</u>	<u>Rating</u>	Fitch:	F1+	KBRA:	K1+	Moody’s:	MIG1	S&P:	SP-1
<u>Rating Agency</u>	<u>Rating</u>										
Fitch:	F1+										
KBRA:	K1+										
Moody’s:	MIG1										
S&P:	SP-1										
Co-Financial Advisors	Public Resources Advisory Group, Inc., New York, New York, and Backstrom McCarley Berry & Co., LLC, San Francisco, California.										
Purchase Price.....	See “UNDERWRITING” in Part III .										

-
- ***No Unauthorized Offer.*** This offering memorandum is not an offer to sell, or the solicitation of an offer to buy, the Series 2019E Notes in any jurisdiction where that would be unlawful. MTA has not authorized any dealer, salesperson or any other person to give any information or make any representation in connection with the offering of the Series 2019E Notes, except as set forth in this offering memorandum. No other information or representations should be relied upon.
 - ***No Contract or Investment Advice.*** This offering memorandum is not a contract and does not provide investment advice. Investors should consult their financial advisors and legal counsel with questions about this offering memorandum and the Series 2019E Notes being offered, and anything else related to this note issue.
 - ***Information Subject to Change.*** Information and expressions of opinion are subject to change without notice, and it should not be inferred that there have been no changes since the date of this document. Neither the delivery of, nor any sale made under, this offering memorandum shall under any circumstances create any implication that there has been no change in MTA's affairs or in any other matters described herein since the date of this offering memorandum.
 - ***Forward-Looking Statements.*** Many statements contained in this offering memorandum, including the appendices and the documents included by specific cross-reference, that are not historical facts are forward-looking statements, which are based on MTA's beliefs, as well as assumptions made by, and information currently available to, the management and staff of MTA as of the date of this offering memorandum. Because the statements are based on expectations about future events and economic performance and are not statements of fact, actual results may differ materially from those projected. The words "anticipate," "assume," "estimate," "expect," "objective," "projection," "plan," "forecast," "goal," "budget" or similar words are intended to identify forward-looking statements. The words or phrases "to date," "now," "currently," and the like are intended to mean as of the date of this offering memorandum. Neither MTA's independent auditors, nor any other independent auditors, have compiled, examined, or performed any procedures with respect to the forward-looking statements contained herein, nor have they expressed any opinion or any other form of assurance on such information or its achievability, and assume no responsibility for, and disclaim any association with, the prospective financial information. Neither MTA's independent auditors, nor any other independent auditors, have been consulted in connection with the preparation of the forward-looking statements set forth in this offering memorandum, which is solely the product of MTA and its affiliates and subsidiaries as of the date of this offering memorandum, and the independent auditors assume no responsibility for its content. These forward-looking statements speak only as of the date of this offering memorandum.
 - ***Projections.*** The projections set forth in this offering memorandum were not prepared with a view toward complying with the guidelines established by the American Institute of Certified Public Accountants with respect to prospective financial information, but, in the view of MTA's management, were prepared on a reasonable basis, reflect the best currently available estimates and judgments, and present, to the best of management's knowledge and belief, the expected course of action and the expected future financial performance of MTA. However, this information is not fact and should not be relied upon as being necessarily indicative of future results, and readers of this offering memorandum are cautioned not to place undue reliance on the prospective financial information. Neither MTA's independent auditors, nor any other independent auditors, have compiled, examined, or performed any procedures with respect to the prospective financial information contained herein, nor have they expressed any opinion or any other form of assurance on such information or its achievability, and assume no responsibility for, and disclaim any association with, the prospective financial information. Neither MTA's independent auditors, nor any other independent auditors, have been consulted in connection with the preparation of the prospective financial information set forth in this offering memorandum, which is solely the product of MTA and its other affiliates and subsidiaries as of the date of this offering memorandum, and the independent auditors assume no responsibility for its content.
 - ***Independent Auditor.*** Deloitte & Touche LLP, MTA's independent auditor, has not reviewed, commented on or approved, and is not associated with, this offering memorandum. The audit report of Deloitte & Touche LLP relating to MTA's consolidated financial statements for the years ended December 31, 2018 and 2017, which is a matter of public record, is included by specific cross-reference in this offering memorandum. Deloitte & Touche LLP has not been asked to consent to the inclusion, or incorporation by reference, of its audit report in this offering memorandum. Deloitte & Touche LLP has performed a review of the consolidated interim financial information of

MTA for the six-month period ended June 30, 2019. As indicated in the review report which accompanies MTA's consolidated interim financial information, because Deloitte & Touche LLP did not perform an audit, Deloitte & Touche LLP expresses no opinion on that information. The consolidated interim financial information of MTA for the six-month period ended June 30, 2019 (except for the auditor's review report accompanying the consolidated interim financial information) is included in this offering memorandum by specific cross-reference. Deloitte & Touche LLP has not performed any procedures on any financial statements or other financial information of MTA, including without limitation any of the information contained in this offering memorandum, since the date of such review report which is not included by reference herein.

- *Website Addresses.* References to website addresses presented herein are for informational purposes only and may be in the form of a hyperlink solely for the reader's convenience. Unless specified otherwise, such websites and the information or links contained therein are not incorporated into, and are not part of, this offering memorandum for purposes of Rule 15c2-12 of the United States Securities and Exchange Commission, as amended, and in effect on the date hereof.

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Information Included by Specific Cross-reference. The following portions of MTA’s 2019 Combined Continuing Disclosure Filings, dated April 30, 2019, as supplemented on June 26, 2019 and on October 3, 2019, and as updated by a First Quarterly Update, dated August 2, 2019, each filed with the Electronic Municipal Market Access system (EMMA) of the Municipal Securities Rulemaking Board (MSRB), are included by specific cross-reference in this offering memorandum, along with material that updates this offering memorandum and that is filed with EMMA prior to the delivery date of the Series 2019E Notes, together with any supplements or amendments thereto:

- **Part I** – MTA Annual Disclosure Statement (the **MTA Annual Disclosure Statement** or **ADS**)
- **Appendix B** – Audited Consolidated Financial Statements of Metropolitan Transportation Authority for the Years Ended December 31, 2018 and 2017 (including the auditor’s report accompanying the annual financial information)

The following documents have also been filed with EMMA and are included by specific cross-reference in this offering memorandum:

- Summary of Certain Provisions of the Transportation Resolution
- Definitions and Summary of Certain Provisions of the Standard Resolution Provisions
- Form of the Interagency Agreement
- MTA’s Unaudited Consolidated Interim Financial Statements as of and for the Six-Month Period Ended June 30, 2019 (excluding the auditor’s review report accompanying the interim financial information)

For convenience, copies of most of these documents can be found on the MTA website (www.mta.info) under the caption “MTA Info–Financial Information–Budget and Financial Statements” in the case of MTA’s Unaudited Consolidated Interim Financial Statements as of and for the Six-Month Period Ended June 30, 2019 and “MTA Info–Financial Information–Investor Information” in the case of the remaining documents, including the Audited Consolidated Financial Statements of Metropolitan Transportation Authority for the Years Ended December 31, 2018 and 2017. No statement on MTA’s website is included by specific cross-reference herein. See “FURTHER INFORMATION” in **Part III**. Definitions of certain terms used in the summaries may differ from terms used in this offering memorandum, such as the use herein of the popular names of the MTA affiliates and subsidiaries.

The consolidated financial statements of MTA for the years ended December 31, 2018 and 2017, incorporated by specific cross-reference in this offering memorandum, have been audited by Deloitte & Touche LLP, independent certified public accountants, as stated in their audit report appearing therein. Deloitte & Touche LLP has not reviewed, commented on or approved, and is not associated with, this offering memorandum. The audit report of Deloitte & Touche LLP relating to MTA’s consolidated financial statements for the years ended December 31, 2018 and 2017, which is a matter of public record, is included in such consolidated financial statements. Deloitte & Touche LLP has not been asked to consent to the inclusion, or incorporation by reference, of its audit report in this offering memorandum. The consolidated interim financial information for the six-month period ended June 30, 2019 (except for the auditor’s review report accompanying the consolidated interim financial information), has also been incorporated by specific cross-reference in this offering memorandum. Deloitte & Touche LLP has not performed any procedures on any financial statements or other financial information of MTA, including without limitation any of the information contained in, or incorporated by specific cross-reference in, this offering memorandum, since the date of such review report, which is not included by reference herein.

INTRODUCTION

MTA, MTA Bridges and Tunnels and Other Related Entities

The Metropolitan Transportation Authority (MTA) was created by special New York State (the State) legislation in 1965, as a public benefit corporation, which means that it is a corporate entity separate and apart from the State, without any power of taxation – frequently called a “public authority.” MTA is governed by board members appointed by the Governor, with the advice and consent of the State Senate.

MTA has responsibility for developing and implementing a single, integrated mass transportation policy for MTA’s service region (the MTA Commuter Transportation District or MCTD), which consists of New York City (the City) and the seven New York metropolitan-area counties of Dutchess, Nassau, Orange, Putnam, Rockland, Suffolk and Westchester. It carries out some of those responsibilities by operating the Transit and Commuter Systems through its subsidiary and affiliate entities: the New York City Transit Authority and its subsidiary, the Manhattan and Bronx Surface Transit Operating Authority; the Staten Island Rapid Transit Operating Authority; The Long Island Rail Road Company; the Metro-North Commuter Railroad Company; the MTA Bus Company; and the MTA Capital Construction Company. MTA issues debt obligations to finance a substantial portion of the capital costs of these systems.

Triborough Bridge and Tunnel Authority (MTA Bridges and Tunnels), another affiliate of MTA, is a public benefit corporation empowered to construct and operate toll bridges and tunnels and other public facilities in the City. MTA Bridges and Tunnels issues debt obligations to finance the capital costs of its facilities and is empowered to issue debt obligations to finance the capital costs of the Transit and Commuter Systems operated by other affiliates and subsidiaries of MTA. In the last ten years, MTA Bridges and Tunnels has not issued new money bonds to finance capital projects for the benefit of the Transit and Commuter Systems, and currently has no plans to do so in the future. MTA Bridges and Tunnels’ surplus amounts are used to fund certain transit and commuter operations and capital projects.

The board members of MTA serve as the board members of MTA’s affiliates and subsidiaries, which, together with MTA, are referred to herein as the Related Entities. MTA and the other Related Entities are described in detail in **Part I** – MTA Annual Disclosure Statement to MTA’s 2019 Combined Continuing Disclosure Filings (the **MTA Annual Disclosure Statement** or **ADS**), which is included by specific cross-reference in this offering memorandum.

The following table sets forth the legal and popular names of the Related Entities. Throughout this offering memorandum, reference to each agency will be made using the popular names.

<u>Legal Name</u>	<u>Popular Name</u>
Metropolitan Transportation Authority	MTA
New York City Transit Authority	MTA New York City Transit
Manhattan and Bronx Surface Transit Operating Authority	MaBSTOA
Staten Island Rapid Transit Operating Authority	MTA Staten Island Railway
MTA Bus Company	MTA Bus
The Long Island Rail Road Company	MTA Long Island Rail Road
Metro-North Commuter Railroad Company	MTA Metro-North Railroad
MTA Capital Construction Company	MTA Capital Construction
Triborough Bridge and Tunnel Authority	MTA Bridges and Tunnels

Capitalized terms used herein and not otherwise defined have the meanings provided in the **ADS** or the Transportation Resolution.

Information Provided in the MTA Annual Disclosure Statement

From time to time, the Governor, the State Comptroller, the Mayor of the City, the City Comptroller, County Executives, State legislators, City Council members and other persons or groups may make public statements, issue reports, institute proceedings or take actions that contain predictions, projections or other information relating to the Related Entities or their financial condition, including potential operating results for the current fiscal year and projected baseline surpluses or gaps for future years, that may vary materially from, question or challenge the information provided in the ADS. Investors and other market participants should, however, refer to MTA's then current continuing disclosure filings, official statements, remarketing circulars and offering memoranda for information regarding the Related Entities and their financial condition.

Where to Find Information

Information in this Offering Memorandum. This offering memorandum is organized as follows:

- This **Introduction** provides a general description of MTA, MTA Bridges and Tunnels and the other Related Entities.
- **Part I** provides specific information about the Series 2019E Notes.
- **Part II** describes the sources of payment and security for all Transportation Revenue Bonds, including the Take-Out Bonds.
- **Part III** provides miscellaneous information relating to the Series 2019E Notes.
- **Attachment 1** sets forth certain provisions applicable to the book-entry-only system of registration to be used for the Series 2019E Notes.
- **Attachment 2** sets forth a summary of certain provisions of a continuing disclosure agreement relating to the Series 2019E Notes.
- **Attachment 3** is the form of approving opinions of Co-Bond Counsel, in connection with the issuance of the Series 2019E Notes.
- **Attachment 4** sets forth a copy of the Supplement to the ADS, dated October 3, 2019.

Information Included by Specific Cross-reference in this offering memorandum and identified under the caption "Information Included by Specific Cross-reference" following the Table of Contents may be obtained, as described below, from the MSRB and from MTA.

Information from the MSRB through EMMA. MTA files annual and other information with EMMA. Such information can be accessed at <http://emma.msrb.org/>.

Information Included by Specific Cross-reference. The information listed under the caption "Information Included by Specific Cross-reference" following the Table of Contents, as filed with the MSRB through EMMA to date, is "included by specific cross-reference" in this offering memorandum. This means that important information is disclosed by referring to those documents and that the specified portions of those documents are considered to be part of this offering memorandum. **This offering memorandum, which includes the specified portions of those filings, should be read in its entirety in order to obtain essential information for making an informed decision in connection with the Series 2019E Notes.**

Information Available at No Cost. Information filed with the MSRB through EMMA is also available, at no cost, on MTA's website or by contacting MTA, Attn.: Finance Department, at the address on page (i). For important information about MTA's website, see "FURTHER INFORMATION" in **Part III**.

Anticipated Debt Issuance

In addition to the issuance of the Series 2019E Notes, MTA expects to issue one or more series of Transportation Revenue Refunding Bonds prior to the end of 2019.

PART I. SERIES 2019E NOTES AND SECURITY FOR THE SERIES 2019E NOTES

Part I of this offering memorandum, together with the Summary of Terms, provides specific information about the Series 2019E Notes.

APPLICATION OF PROCEEDS

MTA anticipates that the net proceeds of the Series 2019E Notes (the principal amount thereof, plus original premium of \$13,750,500) in the total amount of \$613,750,500, will be used as follows: (i) \$613,204,503 to finance existing approved transit and commuter projects, (ii) \$107,497 to pay Underwriters' discount, and (iii) \$438,500 to pay certain financing, legal and miscellaneous expenses.

DESCRIPTION OF SERIES 2019E NOTES

General

Book-Entry-Only System. The Series 2019E Notes will be registered in the name of The Depository Trust Company, New York, New York, or its nominee (together, DTC), which will act as securities depository for the Series 2019E Notes. Individual purchases will be made in book-entry-only form, in the principal amount of \$5,000 or integral multiples thereof. So long as DTC is the registered owner of the Series 2019E Notes, all payments on the Series 2019E Notes will be made directly to DTC. DTC is responsible for disbursement of those payments to its participants, and DTC participants and indirect participants are responsible for making those payments to beneficial owners. See **Attachment 1** – “Book-Entry-Only System.”

Maturity. The Series 2019E Notes shall mature and be payable as to principal and interest accrued from the Dated Date, as set forth on the inside cover page.

Interest Payments. The Series 2019E Notes will bear interest at the rate shown on the inside cover page of this offering memorandum. Interest on the Series 2019E Notes shall be paid at maturity. Interest payable on the Series 2019E Notes will be computed on the basis of a 360-day year of twelve 30-day months. So long as DTC is the sole registered owner of all of the Series 2019E Notes, all interest payments will be paid to DTC by wire transfer of immediately available funds, and payment of interest to beneficial owners will occur through the DTC Book-Entry-Only System.

Record Date. The Record Date for the payment of principal of and interest with respect to the Series 2019E Notes shall be fifteen days prior to the maturity of the Series 2019E Notes.

Transfers and Exchanges. So long as DTC is the securities depository for the Series 2019E Notes, it will be the sole registered owner of the Series 2019E Notes, and transfers of ownership interests in the Series 2019E Notes will occur through the DTC Book-Entry-Only System.

Trustee. The Bank of New York Mellon, New York, New York is Trustee and Paying Agent with respect to the Series 2019E Notes.

No Redemption Prior to Maturity

The Series 2019E Notes are not subject to redemption prior to maturity.

SOURCES OF PAYMENT AND SECURITY FOR THE SERIES 2019E NOTES

The Series 2019E Notes are bond anticipation notes issued pursuant to the Transportation Resolution and the Take-Out Bond Resolution in anticipation of one or more issues of Transportation Revenue Bonds to be designated as the Take-Out Bonds.

Principal of and interest on the Series 2019E Notes are payable solely from (1) the proceeds of other notes issued under the BAN Resolution, (2) the proceeds of the Take-Out Bonds, authorized pursuant to the Take-Out Bond Resolution, and (3) with respect to interest payable on the Series 2019E Notes, amounts available for payment of subordinated indebtedness. The Series 2019E Notes are not secured by any other funds, accounts or amounts that are pledged to the payment of bonds or parity obligations issued under the Resolution.

MTA covenants in the BAN Resolution to maintain issuance capacity pursuant to the Transportation Resolution to issue the Take-Out Bonds or additional bond anticipation notes in an amount sufficient to pay the principal of and interest on the Series 2019E Notes when due.

DEBT SERVICE

Table 1 on the next page sets forth, on a cash basis, the aggregate debt service on all currently outstanding Transportation Revenue Bonds.

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Table 1
Aggregate Debt Service
(\$ in thousands)⁽¹⁾

Year Ending December 31	Debt Service on Outstanding Bonds ⁽²⁾⁽³⁾⁽⁴⁾⁽⁵⁾
2019	\$ 1,105,100
2020	1,641,514
2021	1,629,587
2022	1,612,946
2023	1,698,326
2024	1,689,723
2025	1,669,978
2026	1,712,650
2027	1,698,027
2028	1,692,523
2029	1,701,158
2030	1,686,807
2031	1,723,304
2032	1,725,132
2033	1,387,882
2034	1,342,462
2035	1,343,148
2036	1,154,359
2037	1,130,310
2038	1,065,192
2039	1,001,470
2040	900,322
2041	733,229
2042	680,674
2043	538,770
2044	566,922
2045	460,357
2046	406,500
2047	376,693
2048	362,990
2049	204,475
2050	158,518
2051	129,026
2052	129,022
2053	79,398
2054	79,395
2055	79,395
2056	63,684
2057	10,483
Total	\$37,371,452

⁽¹⁾ Total may not add due to rounding.

⁽²⁾ Includes the following assumptions for debt service: variable rate bonds at an assumed rate of 4.0%; variable rate bonds swapped to fixed at the applicable fixed rate on the swap; floating rate notes at an assumed rate of 4.0% plus the current fixed spread; floating rate notes swapped to fixed at the applicable fixed rate on the swap plus the current fixed spread; Subseries 2002G-1 Bonds at an assumed rate of 4.0% plus the current fixed spread, except Subseries 2002G-1g Bonds at an assumed rate of 4.0%; Series 2011B Bonds at an assumed rate of 4.0% plus the current fixed spread; fixed rate mandatory tender bonds at their respective fixed rates prior to the mandatory tender date; interest paid monthly, calculated on the basis of a 360-day year consisting of twelve 30-day months for variable rate bonds and floating rate notes.

⁽³⁾ Excludes debt service on all outstanding Bond Anticipation Notes and Revenue Anticipation Notes.

⁽⁴⁾ Debt service has not been reduced to reflect expected receipt of Build America Bond interest subsidies relating to certain Outstanding Transportation Revenue Bonds; such subsidies do not constitute pledged revenues under the Transportation Resolution.

⁽⁵⁾ Figures reflect amounts outstanding as of the date of issuance of the Series 2019E Notes.

PART II. SOURCES OF PAYMENT AND SECURITY FOR THE BONDS

Part II of this offering memorandum describes the sources of payment and security for all Bonds, including the Take-Out Bonds. In connection with the payment of the Series 2019E Notes as described above under “SOURCES OF PAYMENT AND SECURITY FOR THE SERIES 2019E NOTES”, the Take-Out Bonds are the primary source of the security for the Series 2019E Notes.

SOURCES OF PAYMENT

Pledged Transportation Revenues Gross Lien

Under State law, the Transportation Revenue Bonds are MTA’s special obligations, which means that they are payable solely from a gross lien on the money pledged for payment under the Transportation Resolution. They are not MTA’s general obligations. Summaries of certain provisions of the Transportation Resolution and the form of the Interagency Agreement have been filed with the MSRB through EMMA as described under “INTRODUCTION – Where to Find Information.”

MTA receives “transportation revenues” directly and through certain subsidiaries (currently, MTA Long Island Rail Road, MTA Metro-North Railroad and MTA Bus) and affiliates (currently, MTA New York City Transit and MaBSTOA), and its receipts from many of these sources are pledged for the payment of Transportation Revenue Bonds. MTA and its subsidiaries and affiliates also receive operating subsidies from MTA Bridges and Tunnels and a number of other governmental sources. The Transportation Resolution provides that Owners are to be paid from pledged revenues prior to the payment of operating or other expenses, and as described in more detail below. MTA has covenanted to impose fares and other charges so that pledged revenues, together with other available moneys, will be sufficient to cover all debt service and operating and capital costs of the systems. See “Factors Affecting Revenues – Ability to Comply with Rate Covenant and Pay Operating and Maintenance Expenses” below.

Table 2a sets forth by general category the amount of pledged revenues, calculated in accordance with the Transportation Resolution, and the resulting debt service coverage for the five years ended December 31, 2018. A general description of the pledged revenues in the general categories referenced in **Table 2a** follows the table, and a more detailed description is set forth in Part 2 of the ADS under the heading “REVENUES OF THE RELATED ENTITIES.”

Table 2a is a summary of historical revenues of MTA and its subsidiaries, MTA Long Island Rail Road, MTA Metro-North Railroad and MTA Bus, and MTA New York City Transit and its subsidiary MaBSTOA on a cash basis. This information in **Table 2a** may not be indicative of future results of operations and financial condition. The information contained in **Table 2a** has been prepared by MTA management based upon the historical financial statements and the notes thereto.

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Table 2a
Summary of Pledged Revenues (Calculated in Accordance with the Transportation Resolution)
Historical Cash Basis (\$ in millions)

	Years Ended December 31,				
	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Revenues from Systems Operations					
Fares from Transit System	\$ 4,195	\$ 4,396	\$ 4,414	\$ 4,487	\$ 4,454
Fares from Commuter System	1,308	1,373	1,401	1,460	1,481
Fares from MTA Bus	225	223	233	236	242
Other Income ⁽¹⁾	<u>270</u>	<u>248</u>	<u>248</u>	<u>256</u>	<u>280</u>
Subtotal – Operating Revenues	\$5,999	\$6,240	\$6,296	\$6,439	\$6,457
Revenues from MTA Bridges and Tunnels Surplus	\$623	\$740	\$742	\$731	\$692
Revenues from Governmental Sources					
State and Local General Operating Subsidies	\$376	\$370	\$378	\$376	\$375
Special Tax-Supported Operating Subsidies					
DTF Excess ⁽²⁾	279	277	259	231	250
MMTOA Receipts	1,564	1,564	1,668	1,668	1,687
Urban Tax	806	941	811	585	656
Excess Mortgage Recording Taxes	25	25	25	25	25
MTA Aid Trust Account Receipts	313	285	300	306	273
Payroll Mobility Tax Receipts ⁽³⁾	<u>1,572</u>	<u>1,626</u>	<u>1,682</u>	<u>1,680</u>	<u>1,727</u>
Subtotal Special Tax-Supported Operating Subsidies	\$4,559	\$4,718	\$4,745	\$4,495	\$4,617
Station Maintenance and Service Reimbursements	524	599	563	560	530
City Subsidy for MTA Bus	461	439	356	520	464
Revenues from Investment of Capital Program Funds⁽⁴⁾	<u>7</u>	<u>8</u>	<u>13</u>	<u>24</u>	<u>55</u>
Subtotal – Non-Operating Revenues⁽⁵⁾	\$6,550	\$6,874	\$6,797	\$6,706	\$6,734
Total Transportation Resolution Pledged Revenues	\$12,549	\$13,114	\$13,093	\$13,145	\$13,190
Debt Service⁽⁶⁾	\$1,332	\$1,399	\$1,381	\$1,581	\$1,457
Debt Service Coverage from Pledged Revenues	9.4x	9.4x	9.5x	8.3x	9.1x

⁽¹⁾ Other income in the case of the Transit System includes advertising revenue, interest income on certain operating funds, station concessions, Transit Adjudication Bureau collections, rental income and miscellaneous. Other income in the case of the Commuter System includes advertising revenues, interest income on certain operating funds, concession revenues (excluding Grand Central Terminal and Penn Station concessions), rental income and miscellaneous. Other income does not include Superstorm Sandy reimbursement funds.

⁽²⁾ Calculated by subtracting the debt service payments on the Dedicated Tax Fund Bonds from the MTF Receipts described in Part 3 of the ADS under the caption “DEDICATED TAX FUND BONDS.”

⁽³⁾ Payroll Mobility Tax Receipts include PMT Revenue Offset of \$309 million annually in 2014 through 2016, and \$244.3 million in both 2017 and 2018.

⁽⁴⁾ Represents investment income on capital program funds held for the benefit of the Transit and Commuter Systems on an accrual basis.

⁽⁵⁾ Sum of (a) Revenues from MTA Bridges and Tunnels Surplus, (b) Revenues from Governmental Sources (including State and Local General Operating Subsidies and Special Tax-Supported Operating Subsidies), (c) Station Maintenance and Service Reimbursements, (d) City Subsidy for MTA Bus and (e) Revenues from Investment of Capital Program Funds.

⁽⁶⁾ Debt service was reduced by approximately \$54 million in each year of 2014 through 2018 to reflect Build America Bonds interest credit payments relating to certain outstanding bonds. Such payments do not constitute Pledged Revenues under the Transportation Resolution.

The following should be noted in **Table 2a**:

- MTA receives monthly payments beginning in May of MMTOA Receipts, with the first quarter of the State’s appropriation for the succeeding year advanced into the fourth quarter of MTA’s calendar year. MTA continues to monitor the effect of not having MMTOA Receipts available during the first quarter of the calendar year to determine if working capital borrowings may be necessary for cash flow needs. In 2015, MMTOA Receipts remained at the same level as in 2014, because the State redirected a portion of MMTOA funds from the operating budget to the capital budget.
- “Urban Tax” collection reflects the activity level of certain commercial real estate transactions in the City. Urban Tax revenues declined in 2017 due to fewer significantly large transactions (valued over \$100 million) as compared to 2015 and 2016. In 2018, MTA saw an increase in Urban Tax revenues from the prior year, as a result of both an overall stronger commercial real estate economy and an uptick in the value of significantly large transactions.
- Mortgage recording taxes consist of two separate taxes: the MRT-1 Tax, which is imposed on borrowers of recorded mortgages of real property; and the MRT-2 Tax, which is a tax imposed on the institutional lender. These taxes are collected by the City and the seven other counties within

MTA's service area. Mortgage recording taxes are used for Transit and Commuter Systems purposes after the payment of MTA Headquarters' expenses and MTA Bus debt service (\$25 million annually beginning in 2009). Since 2009, even though mortgage recording tax receipts have grown in six out of the last seven years, MTA Headquarters expenses and MTA Bus debt service expenses have continued to exceed MRT receipts, resulting in no Excess Mortgage Recording Tax transfers to the Transit and Commuter Systems.

- City Subsidy for MTA Bus was higher in 2017 predominantly due to the timing of payments received. MTA received one extra monthly payment made in 2017 (only 11 payments were made in 2016) and an additional quarterly payment, which is usually reconciled in the following year. In 2018, there was a decrease in receipts for MTA Bus, resulting from the additional quarterly payment that was made in 2017.
- Revenues from Investment of Capital Program Funds – substantially all of the investment income is generated from bond proceeds, such as funds held in anticipation of expenditure on project costs.
- In 2016, \$45.3 million of revenues on deposit in the Debt Service Fund were replaced with proceeds of certain Transportation Revenue Bonds permitting such revenues to be used together with other available moneys to prepay outstanding 2 Broadway Certificates of Participation. As a result, 2016 Debt Service reported in the above table is lower by \$45.3 million than it would have been if such transaction had not occurred.
- Totals may not add due to rounding.

Table 2b sets forth, by major category, for the five years ended December 31, 2018, all of the system operating revenues, expenses, adjustments, prior-year carryover and net cash balance. This information contained in **Table 2b** may not be indicative of future results of operations and financial condition. The information in **Table 2b** has been prepared by MTA management based on MTA financial plans.

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Table 2b
MTA Consolidated Statement of Operations by Category
(\$ in millions)

Non-Reimbursable	Actual 2014	Actual 2015	Actual 2016	Actual 2017	Actual 2018
<u>Operating Revenue</u>					
Farebox Revenue	\$5,709	\$5,961	\$6,170	\$6,172	\$6,155
Toll Revenue	1,676	1,809	1,912	1,912	1,976
Other Revenue	682	689	653	653	643
Capital and Other Reimbursements	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Operating Revenue	\$8,068	\$8,459	\$8,608	\$8,737	\$8,774
<u>Operating Expense</u>					
Labor Expenses:					
Payroll	\$4,672	\$4,696	\$5,019	\$5,021	\$5,211
Overtime	730	755	934	934	1,066
Health & Welfare	962	1,050	1,209	1,209	1,230
OPEB Current Payment	479	502	564	564	604
Pensions	1,304	1,249	1,345	1,345	1,336
Other-Fringe Benefits	784	861	794	792	881
Reimbursable Overhead	<u>(350)</u>	<u>(380)</u>	<u>(492)</u>	<u>(492)</u>	<u>(528)</u>
Subtotal Labor Expenses	\$8,582	\$8,732	\$9,238	\$9,373	\$9,799
Non-Labor Expenses:					
Electric Power	\$516	\$474	\$430	\$430	\$482
Fuel	267	162	150	150	185
Insurance	51	57	(3)	(3)	(29)
Claims	269	331	515	526	438
Paratransit Service Contracts	366	379	393	393	455
Maintenance and Other Operating Contracts	549	579	692	695	678
Professional Service Contracts	283	380	506	507	544
Materials & Supplies	527	543	588	588	637
Other Business Expenses	<u>180</u>	<u>196</u>	<u>217</u>	<u>217</u>	<u>221</u>
Subtotal Non-Labor Expenses	\$3,007	\$3,101	\$3,168	\$3,505	\$3,611
Other Expense Adjustments:					
Other	\$45	\$37	\$49	\$49	\$129
General Reserve	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Subtotal Other Expense Adjustments	\$45	\$37	\$47	\$49	\$129
Total Operating Expense before Non-Cash Liability Adj.	\$11,634	\$11,871	\$12,454	\$12,927	\$13,539
Depreciation	\$2,266	\$2,443	\$2,600	\$2,608	\$2,805
OPEB Liability Adjustment	2,035	1,490	1,548	1,567	
GASB 75 OPEB Expense Adjustment					1,048
GASB 68 Pension Expense Adjustment	0	(410)	(234)	(168)	(373)
Environmental Remediation	21	21	13	13	106
Total Operating Expense after Non-Cash Liability Adj.	\$15,956	\$15,414	\$16,252	\$16,948	\$17,124
Conversion to Cash Basis: Non-Cash Liability Adjs.	(\$4,322)	(\$3,543)	(\$3,927)	(\$4,021)	(\$3,585)
Debt Service (excludes Service Contract Bonds)	2,249	2,373	2,525	2,525	2,541
Total Operating Expense with Debt Service	\$13,882	\$14,244	\$14,912	\$15,452	\$16,079
Dedicated Taxes and State/Local Subsidies	\$6,375	\$6,595	\$6,429	\$6,416	\$7,177
Net Surplus/(Deficit) After Subsidies and Debt Service	\$561	\$810	\$371	(\$300)	(\$128)
Conversion to Cash Basis: GASB Account	(50)	0	0	0	0
Conversion to Cash Basis: All Other	(626)	(660)	129	174	379
CASH BALANCE BEFORE PRIOR-YEAR CARRYOVER	(\$115)	\$150	(\$232)	(\$126)	\$251
ADJUSTMENTS	0	0	0	0	0
PRIOR-YEAR CARRYOVER	445	330	480	248	121
NET CASH BALANCE	\$330	\$480	\$248	\$121	\$372

Table 3a sets forth the Summary of Mid-Year Forecast 2019 and Preliminary Budget 2020. Pledged Revenues are based on the MTA 2020 Preliminary Budget and the July Financial Plan 2020-2023. The information set forth in **Table 3a** is comparable to that set forth, with respect to the years 2014-2018, in **Table 2a**.

Table 3a
Summary of Mid-Year Forecast 2019 and Preliminary Budget 2020
(Calculated in Accordance with the Transportation Resolution)
(\$ in millions)⁽¹⁾

	Mid-Year Forecast <u>2019</u>	Preliminary Budget <u>2020</u>
Revenues from Systems Operations		
Fares from Transit System	\$4,539	\$4,600
Fares from Commuter System	1,536	1,561
Fares from MTA Bus	221	224
Other Income ⁽²⁾	<u>309</u>	<u>289</u>
Subtotal – Operating Revenues	\$6,604	\$6,674
Revenues from MTA Bridges and Tunnels Surplus	\$762	\$776
Revenues from State and Local Governmental Sources		
State and Local General Operating Subsidies	\$356	\$376
NYC Transportation Assistance Fund – General Transportation Account⁽³⁾	\$0	\$84
Special Tax-Supported Operating Subsidies		
DTF Excess ⁽⁴⁾	253	235
MMTOA Receipts	1,824	1,888
Urban Tax	671	626
Excess Mortgage Recording Taxes	12	12
Aid Trust Account Receipts ⁽⁵⁾	313	318
Payroll Mobility Tax Receipts ⁽⁵⁾	<u>1,839</u>	<u>1,907</u>
Subtotal Special Tax-Supported Operating Subsidies	\$4,912	\$4,987
Station Maintenance and Service Reimbursements	\$613	\$610
City Subsidy for MTA Bus	\$669	\$517
Income from Investment of Capital Program Funds	\$2	\$2
Subtotal – Non-Operating Revenues	\$7,315	\$7,351
Total Transportation Resolution Pledged Revenues	\$13,919	\$14,026
Budgeted Debt Service⁽⁶⁾	\$1,613	\$1,721
Debt Service Coverage from Pledged Revenues	8.6x	8.1x

⁽¹⁾ Totals may not add due to rounding.

⁽²⁾ Other income for the Transit System includes advertising revenue, interest income on certain operating funds, station concessions, Transit Adjudication Bureau collections, rental income and miscellaneous. Other income for the Commuter System includes advertising revenues, interest income on certain operating funds, concession revenues (excluding Grand Central Terminal and Penn Station concessions), rental income and miscellaneous. Includes MTA Bus Other Income.

⁽³⁾ The 2018-2019 State Enacted Budget included a new revenue stream for MTA to provide a source of funding for the Subway Action Plan, outer borough transit improvements, and other MTA needs. Such new revenues consist of certain statutory surcharges and fines, including a surcharge beginning January 1, 2019, on for-hire vehicle trips entirely within the State that start or terminate in, or traverse, Manhattan below 96th Street. Revenues from this surcharge will be deposited into a new New York City Transportation Assistance Fund and disbursed to three sub-accounts established in such fund in the following order: a Subway Action Plan account, an Outer Borough Transportation account, and a General Transportation account. See “PART II. SOURCES OF PAYMENT AND SECURITY FOR THE BONDS – SOURCES OF PAYMENT – Description of Pledged Revenues – Additional Taxes and Fees – 2018 Additional Revenues”. The zero amounts in 2019 reflect lower collection of for-hire vehicle fees, as collections were delayed following the filing of a lawsuit and a temporary restraining order, which was lifted at the end of January 2019. See the PART I of the ADS. See also “PART II. SOURCES OF PAYMENT AND SECURITY FOR THE BONDS – SOURCES OF PAYMENT – Description of Pledged Revenues – Additional Taxes and Fees – Legal Challenges to Certain Congestion Zone Surcharges” for a description of a lawsuit challenging the application of certain Congestion Zone Surcharges.

⁽⁴⁾ Calculated by subtracting the debt service payments on Dedicated Tax Fund Bonds from the MTTF Receipts described in Part 3 of the ADS under the caption “DEDICATED TAX FUND BONDS.”

⁽⁵⁾ See “PART II. SOURCES OF PAYMENT AND SECURITY FOR THE BONDS – SOURCES OF PAYMENT – Description of Pledged Revenues – Additional Taxes and Fees” in the ADS for a description of such additional revenues and MTA’s current expectations for application of such revenues in the future.

⁽⁶⁾ Net of annual Build America Bond interest credit payments on previously issued bonds of approximately \$54.2 million in 2019 and \$53.5 million in 2020. Such payments do not constitute pledged revenues under the Transportation Resolution.

Table 3b sets forth, by major category, for the Mid-Year Forecast 2019 and Preliminary Budget 2020, all of the system operating revenues, expenses, adjustments, prior-year carryover and net cash balance as published in the MTA 2020 Preliminary Budget and the July Financial Plan 2020-2023. The information contained in **Table 3b** is comparable to that set forth, with respect to the years 2014-2018, in **Table 2b**.

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Table 3b
MTA Consolidated Statement of Operations by Category
(\$ in millions)

	Non-Reimbursable	Mid-Year Forecast <u>2019</u>	Preliminary Budget <u>2020</u>
<u>Operating Revenue</u>			
Farebox Revenue		\$6,305	\$6,389
Toll Revenue		2,088	2,121
Other Revenue		696	684
Capital and Other Reimbursements		<u>0</u>	<u>0</u>
Total Operating Revenue		\$9,089	\$9,195
<u>Operating Expense</u>			
Labor Expenses:			
Payroll		\$5,328	\$5,422
Overtime		910	838
Health & Welfare		1,341	1,414
OPEB Current Payment		645	704
Pensions		1,494	1,461
Other-Fringe Benefits		869	897
Reimbursable Overhead		<u>(471)</u>	<u>(430)</u>
Subtotal Labor Expenses		\$10,116	\$10,306
Non-Labor Expenses:			
Electric Power		\$452	\$473
Fuel		183	183
Insurance		6	16
Claims		388	394
Paratransit Service Contracts		495	488
Maintenance and Other Operating Contracts		840	797
Professional Service Contracts		608	503
Materials & Supplies		689	680
Other Business Expenses		<u>218</u>	<u>214</u>
Subtotal Non-Labor Expenses		\$3,877	\$3,748
Other Expense Adjustments:			
Other		\$175	\$86
General Reserve		<u>165</u>	<u>170</u>
Subtotal Other Expense Adjustments		\$340	\$256
Total Operating Expense before Non-Cash Liability Adjustments		\$14,333	\$14,310
Depreciation		\$2,785	\$2,843
GASB 75 OPEB Expense Adjustment		1,457	1,628
GASB 68 Pension Expense Adjustment		(221)	(272)
Environmental Remediation		6	6
Total Operating Expense after Non-Cash Liability Adjustments		\$18,360	\$18,515
Conversion to Cash Basis: Non-Cash Liability Adjustments		(\$4,027)	(\$4,205)
Debt Service (excludes Service Contract Bonds)		2,683	2,830
Total Operating Expense with Debt Service		\$17,016	\$17,140
Dedicated Taxes and State/Local Subsidies		\$7,314	\$7,406
Net Surplus/(Deficit) After Subsidies and Debt Service		(\$613)	(\$539)
Conversion to Cash Basis: GASB Account		0	0
Conversion to Cash Basis: All Other		229	147
CASH BALANCE BEFORE PRIOR-YEAR CARRYOVER		(\$384)	(\$392)
ADJUSTMENTS		73	386
PRIOR-YEAR CARRYOVER		<u>372</u>	<u>61</u>
NET CASH BALANCE		\$61	\$55

Description of Pledged Revenues

Each of the following revenues is described in more detail in Part 2 of the ADS under the caption “REVENUES OF THE RELATED ENTITIES.” See also **Tables 2a, 2b, 3a and 3b** above for both historical and forecasted results for each category of pledged revenues described below.

Revenues from Systems Operations.

- **Fares from the Transit and Commuter Systems.** The previously approved transit and commuter fare increases were implemented on March 19, 2017. At its February 27, 2019 meeting, the MTA Board approved transit and commuter fare increases, that became effective on April 21, 2019.

The base subway, local bus and paratransit fares remained unchanged at \$2.75 per trip and the base express bus fare increased from \$6.50 to \$6.75 per trip. The Pay-Per-Ride MetroCard bonus was eliminated. Single ride subway and bus tickets remained unchanged at \$3.00. MTA New York City Transit increased the cost of 30-day and calendar monthly unlimited ride MetroCards from \$121 to \$127, the cost of a 7-day unlimited ride MetroCard from \$32 to \$33, and the 7-day Express Bus Plus unlimited ride MetroCard from \$59.50 to \$62.

At MTA Metro-North Railroad and MTA Long Island Rail Road, all weekly and monthly passes increased 3.85% or less, and monthly tickets no more than \$15. One way tickets had a range of increases due to the need for fares to round to \$0.25 increments. One-way fares into New York City had a range of increases up to 8.00%. Other ticket types such as intermediates, half fares and other discounted tickets had larger increases up to 10%, again due to the need to round to \$0.25 increments on a low ticket price. For these one-way fares, any increase greater than 6.0% was not more than \$0.50 per ride. Increased fares also apply to UniTickets and MTA Metro-North Railroad-managed connecting services. CityTicket increased from \$4.25 to \$4.50.

- **Other Income.** MTA receives revenues from concessions to vendors and from advertising and other space it rents in subway and commuter rail cars, buses, stations and other facilities. Concession revenues from Grand Central Terminal (the main station for MTA Metro-North Railroad) and Penn Station (the main station for MTA Long Island Rail Road), however, are not included within these amounts pledged.

Revenues from MTA Bridges and Tunnels Surplus. MTA Bridges and Tunnels is required by law to transfer its annual operating surpluses (generally, tolls and other operating revenues from bridges and tunnels after payment of operating expenses and debt service costs, but not including moneys deposited in to the CBD Tolling Capital Lockbox Fund, as hereinafter described) to MTA, and a statutory formula determines how MTA allocates that money between the Transit and Commuter Systems.

At their February 27, 2019 meeting, the MTA Board approved toll increases that became effective on March 31, 2019, as follows:

- **Cash/Tolls by Mail for Passenger Vehicles.** Toll rates for fare media other than New York Customer Service Center (NYCSC) E-ZPass (which includes cash, Tolls by Mail and non-NYCSC E-ZPass) were increased by \$1.00 at the Robert F. Kennedy, Bronx-Whitestone and Throgs Neck Bridges and Queens Midtown and Hugh L. Carey Tunnels (the major facilities) to \$9.50, by \$2.00 at the Verrazzano-Narrows Bridge (the VNB) (where tolls are collected in the westbound direction only) to \$19.00, by \$1.00 at the Henry Hudson Bridge to \$7.00, and by \$0.50 at the Marine Parkway-Gil Hodges and Cross Bay Veterans Memorial Bridges (the Rockaway Bridges) to \$4.75. Commercial vehicle tolls also increased. Effective September 30, 2017, MTA Bridges and Tunnels completed full implementation of Cashless Tolling at all MTA Bridges and Tunnels Facilities.

- ***E-ZPass Tolls.*** E-ZPass tolls for passenger vehicles using tags issued by the NYCSC increased by \$0.36 at major facilities, \$0.72 at the VNB, \$0.16 at the Henry Hudson Bridge and \$0.13 at the Rockaway Bridges.

Revenues from State and Local Governmental Sources.

- ***General Operating Subsidies from the State and Local Governments.*** Under the State’s Section 18-b program, MTA receives:
 - subsidies for the Transit System from the State and matching subsidies from the City, and
 - subsidies for the Commuter System from the State and matching subsidies from the City and the seven counties within the MCTD.
- ***Special Tax-Supported Operating Subsidies.*** MTA receives subsidies from a number of sources including:
 - portions of the following dedicated taxes pledged but not ultimately needed to pay debt service on MTA’s Dedicated Tax Fund bonds:
 - a group of business privilege taxes imposed on petroleum businesses operating in the State, referred to as the PBT,
 - motor fuel taxes on gasoline and diesel fuel, and
 - certain motor vehicle fees administered by the State Department of Motor Vehicles, including both registration and non-registration fees; and
 - portions of the following mass transportation operating assistance or MMTOA taxes, which State law requires first be used to pay debt service on MTA’s Dedicated Tax Fund bonds if the dedicated taxes described above are insufficient:
 - the regional PBT (in addition to the State-wide portion described above), which is referred to as the MMTOA PBT,
 - the sales and compensating use tax within the MCTD,
 - two franchise taxes imposed on certain transportation and transmission companies, and
 - a surcharge on a portion of the franchise tax imposed on certain corporations, banks, insurance, utility and transportation companies attributable to business activities within the MCTD; and
 - a portion of the amounts collected by the City for the benefit of the Transit System from certain mortgage transfer and recording taxes (the Urban Taxes).

Additional Taxes and Fees.

2009 Additional Taxes and Fees. On May 7, 2009, legislation was enacted in the State (the May 2009 Legislation) providing additional sources of revenues in the form of taxes, fees and surcharges to address the financial needs of MTA. Certain provisions of the May 2009 Legislation, principally relating to the payroll mobility tax (PMT), have been substantially revised since originally enacted, including provisions exempting additional categories of taxpayers from payment of the PMT, increasing the level of payroll expense at which the PMT becomes applicable, and lowering the tax rate. The May 2009 Legislation, as amended to date, among other things, imposes:

- a PMT on payroll expenses and net earnings from self-employment within the MCTD, subject to certain limitations and exemptions;

- a supplemental fee of one dollar for each six-month period of validity of a learner’s permit or a driver’s license issued to a person residing in the MCTD;
- a supplemental fee of twenty-five dollars per year on the registration and renewals of registrants of motor vehicles who reside within the MCTD;
- a tax on taxicab owners of fifty cents per ride on taxicab rides originating in the City and terminating within the MCTD; and
- a supplemental tax of six percent of the cost of rentals of automobiles rented within the MCTD.

Additional amendments made in 2011 to the May 2009 Legislation further expressly provided that any reductions in aid to MTA attributable to the 2011 statutory reductions in the payroll mobility tax “shall be offset through alternative sources that will be included in the state budget” (the PMT Revenue Offset).

Revenue from the PMT is not subject to appropriation, but is payable directly to MTA pursuant to an amendment in the 2015-2016 State Enacted Budget. The PMT Revenue Offset, however, is subject to appropriation. Beginning in State Fiscal Year 2019-2020, the revenues from other taxes and fees imposed by the May 2009 Legislation (the Aid Trust Account Monies) are no longer subject to appropriation, but will be paid on a quarterly basis to MTA.

2018 Additional Revenues. In April 2018, legislation was enacted in the State (the April 2018 Legislation) providing additional sources of revenues, in the form of surcharges and fines, to address the financial needs of MTA. Among other things, the April 2018 Legislation imposed, beginning January 1, 2019, the following:

- a surcharge of \$2.75 on for-hire transportation trips (the For-Hire Transportation Surcharge) provided by motor vehicles carrying passengers for hire (or \$2.50 in the case of taxicabs that are subject to the \$0.50 tax on hailed trips that are part of the MTA Aid Trust Account Receipts), other than pool vehicles, ambulances and buses, on each trip that (1) originates and terminates south of and excluding 96th Street in the Borough of Manhattan (the Congestion Zone), (2) originates anywhere in the State and terminates within the Congestion Zone, (3) originates in the Congestion Zone and terminates anywhere in the State, or (4) originates anywhere in the State, enters into the Congestion Zone while in transit, and terminates anywhere in the State;
- a surcharge of \$0.75 for each person (the Pool Vehicle Surcharge, which, together with the For-Hire Transportation Surcharge, is referred to herein collectively as the Congestion Zone Surcharges) who both enters and exits a pool vehicle (certain carpool arrangements set forth in the April 2018 Legislation) in the State and who is picked up in, dropped off in, or travels through the Congestion Zone; and
- certain fines relating to bus rapid transit lane restrictions (the Rapid Transit Lane Fines) captured by the use of stationary and mobile (on-bus) bus lane photo devices on up to ten bus rapid transit routes designated by the New York City Department of Transportation.

The Congestion Zone Surcharges do not apply to transportation services administered by or on behalf of MTA, including paratransit services.

The April 2018 Legislation also created the New York City Transportation Assistance Fund, held by MTA, and the following three accounts therein:

- Subway Action Plan Account,
- Outer Borough Transportation Account, and
- General Transportation Account.

Moneys in the Subway Action Plan Account may be used exclusively for funding the operating and capital costs of the Subway Action Plan (such plan developed by MTA New York City Transit and approved by the MTA Board). Moneys in the Outer Borough Transportation Account may be used exclusively for funding (1) the operating and capital costs of MTA facilities, equipment and services in the counties of Bronx, Kings, Queens and Richmond, and any projects improving transportation connections from such counties to Manhattan, or (2) a toll reduction program for any crossing under the jurisdiction of MTA or MTA Bridges and Tunnels. In connection with the enactment of the State budget for Fiscal Year 2019-2020, adopted on April 1, 2019 (the 2019-2020 State Enacted Budget), moneys from the Outer Borough Transportation Account were earmarked to establish two rebate programs relating to certain toll payers of specified MTA Bridges and Tunnels crossings. Moneys in the General Transportation Account may be used for funding the operating and capital costs of MTA. In each case, moneys may be used for PAYGO or for debt service and reserve requirements.

The Congestion Zone Surcharges, together with interest and penalties thereon, will be deposited daily with the State Comptroller in trust for MTA. The State Comptroller will retain such amount as is determined to be necessary for refunds and the State Commissioner of Taxation and Finance (the Commissioner) will deduct reasonable amounts for costs incurred to administer, collect and distribute such amounts. If sufficient amounts are collected and available, then in accordance with the April 2018 Legislation, on or before the 12th day of each month, after reserving amounts for refunds and reasonable costs, the Commissioner will certify to the State Comptroller the amounts collected in the prior month and the following amounts will be transferred to the following accounts by the 15th business day of each succeeding month (except for the Rapid Transit Lane Fines, which are payable quarterly):

- to the Subway Action Plan Account, without appropriation:
 - in calendar year 2019 – the first \$362 million,
 - in calendar year 2020 – the first \$301 million, and
 - in calendar year 2021 and thereafter – the first \$300 million.
- to the Outer Borough Transportation Account, without appropriation, in each year the next \$50 million; provided that any uncommitted balance at the end of each calendar year shall be transferred to the General Transportation Account (the use of any funds paid into the Outer Borough Transportation Account must be unanimously approved by the members of the MTA Capital Program Review Board appointed upon the recommendations of the Temporary President of the Senate and the Speaker of the Assembly and the member appointed by the Governor); and
- to the General Transportation Account, without appropriation, (1) all excess Congestion Zone Surcharges in each calendar year above the amounts required to be deposited to the Subway Action Plan Account and the Outer Borough Transportation Account, (2) the uncommitted balance at the end of each year in the Outer Borough Transportation Account, and (3) Rapid Transit Lane Fines, interest and penalties until expiration on September 20, 2020.

For a discussion of certain litigation relating to the Congestion Zone Surcharges, see “FINANCIAL PLANS AND CAPITAL PROGRAMS – Additional Matters – *Legal Challenge to Certain 2018 Enacted Congestion Zone Surcharges*” in Part 2 of the **ADS**.

Application of 2009 Additional Taxes and Fees and 2018 Additional Revenues.

- *PMT*. The revenues from the PMT and the PMT Revenue Offset (the PMT Revenues) can be: (i) pledged by MTA to secure and be applied to the payment of bonds to be issued in the future to fund capital projects of MTA, its subsidiaries, and MTA New York City Transit and its subsidiary and (ii) used by MTA to pay capital costs, including debt service on Transportation Revenue Bonds, of MTA, its subsidiaries and MTA New York City Transit and its subsidiary. Subject to the provisions of any such pledge, or in the event there is no such pledge, the PMT Revenues can

be used by MTA to pay for costs, including operating costs of MTA, its subsidiaries and MTA New York City Transit and its subsidiary. Under the Transportation Resolution, the PMT Revenues constitute “Operating Subsidies” that are pledged to the payment of principal of and interest on the Transportation Revenue Bonds to the extent not required to be applied to the payment of debt service on bonds that may be issued in the future by MTA that are secured in whole or in part by the PMT Revenues.

- *Aid Trust Account Monies.* The revenues from other taxes and fees imposed by the May 2009 Legislation (the Aid Trust Account Monies) may be pledged by MTA or pledged to MTA Bridges and Tunnels to secure debt of MTA or MTA Bridges and Tunnels. Subject to the provisions of such pledge, or in the event there is no such pledge, such revenues can be used by MTA for the payment of operating and capital costs of MTA, its subsidiaries and MTA New York City Transit and its subsidiary as MTA shall determine. Under the Transportation Resolution, the Aid Trust Account Monies constitute “Non-Pledged Operating Subsidies” that are not pledged to the payment of principal of and interest on the Transportation Revenue Bonds, unless and until and to the extent MTA allocates such moneys to the payment of debt service on the Transportation Revenue Bonds or Operating and Maintenance Expenses. Although MTA has allocated such monies so as to constitute pledged revenues in prior years, no assurances can be given that MTA will allocate any of the Aid Trust Account Monies to the payment of debt service on the Transportation Revenue Bonds or Operating and Maintenance Expenses in the future.
- *Congestion Zone Surcharges and Rapid Transit Lane Fines.* The Congestion Zone Surcharges and the Rapid Transit Lane Fines may be pledged by MTA to secure and be applied to the payment of bonds to be issued in the future to fund capital projects for which moneys in the applicable Account of the New York City Transportation Assistance Fund may be used, as described above, including the payment of debt service of MTA. Subject to the provisions of any such pledge, or in the event there is no such pledge, the Congestion Zone Surcharges and the Rapid Transit Lane Fines may be used by MTA to pay for costs, including operating costs of MTA, for which moneys in the applicable Account of the New York City Transportation Assistance Fund may be used.

Under the Transportation Resolution, the Congestion Zone Surcharges deposited into the Subway Action Plan Account and the Outer Borough Transportation Account constitute “Non-Pledged Operating Subsidies” that are not pledged to the payment of principal of and interest on the Transportation Revenue Bonds, unless and until and to the extent MTA allocates such moneys to the payment of debt service on the Transportation Revenue Bonds or to Operating and Maintenance Expenses. Under the Transportation Resolution, the Congestion Zone Surcharges deposited into the General Transportation Account and the Rapid Transit Lane Fines constitute “Operating Subsidies” that are pledged to the payment of principal of and interest on the Transportation Revenue Bonds.

Expectations with Respect to Future Bonding. MTA currently anticipates establishing a new credit secured in whole or in part by the PMT Revenues and the Aid Trust Account Monies. Such pledge would reduce the amounts of PMT Revenues and Aid Trust Account Monies available to constitute Operating Subsidies.

MTA currently expects that, unless and until amounts constituting the PMT Revenue Offset are pledged as part of the security for the new credit secured in whole or in part by PMT Revenues, such amounts would be treated as “Operating Subsidies” pledged to the payment of principal and interest on the Transportation Revenue Bonds.

2019 Additional Revenues for MTA Capital Program Costs. The 2019-2020 State Enacted Budget established three additional revenue sources for MTA: (1) the Central Business District Tolling Program, (2) a

portion of the collections of new real estate transfer taxes to be imposed in the City, and (3) allocated portions of the State and City sales tax collections based upon projected increases due to legislative changes to collect City-based internet sales tax allocations (the State portion of such sales tax collections were not appropriated in the 2019 legislative session and accordingly will not be available to MTA until they are appropriated by the Legislature). Funds from such additional revenue sources are to be deposited in a newly established CBD Tolling Capital Lockbox Fund held by MTA Bridges and Tunnels, to be used, subject to certain limitations, to fund operating, administration and other necessary expenses relating to the CBD Tolling Program, including costs incurred by MTA Bridges and Tunnels in administering the program and related costs incurred by the City Department of Transportation, and costs of MTA capital projects included in the 2020-2024 Capital Program or any successor capital program. Such funds in the CBD Tolling Capital Lockbox Fund may be:

- (i) pledged by MTA Bridges and Tunnels to pay any bonds issued by MTA Bridges and Tunnels to finance (a) costs of the CBD Tolling Program, including the tolling infrastructure, CBD tolling collection system and CBD tolling customer service center and (b) the costs of any MTA capital projects in the 2020-2024 Capital Program or later capital program; or
- (ii) used by MTA Bridges and Tunnels to pay capital costs of the CBD Tolling Program and the costs of any MTA capital projects in the 2020-2024 Capital Program or later capital program on a PAYGO basis; or
- (iii) transferred to MTA and either (x) pledged by MTA to pay MTA bonds issued to pay for costs of MTA capital projects in the 2020-2024 Capital Program or later capital program, or (y) used by MTA to pay costs of MTA capital projects in the 2020-2024 Capital Program or later capital program on a PAYGO basis.

See “MTA-RELATED PROVISIONS IN THE NEW YORK STATE FISCAL YEAR 2019-2020 ENACTED BUDGET – Central Business District Tolling Program” and “–Other New Recurring Revenue Sources for MTA” in Part I of the **ADS**. See also **Attachment 4** – “Supplement to the ADS, dated October 3, 2019”, which discusses the MTA Board approval of the proposed 2020-2024 Capital Program.

Anti-Diversion Legislation. Effective December 28, 2018, the Executive Law of the State was amended to, among other things, prohibit, subject to limited exceptions requiring the adoption of future State legislation, any diversion of revenues derived from taxes and fees payable to MTA (including, but not limited to taxes and fees paid to the MTA Dedicated Tax Fund, the PMT and other taxes and fees imposed by the May 2009 Legislation, as amended) into the State’s general fund or any other fund maintained for support of another governmental purpose.

Station Maintenance and Service Reimbursements. MTA is reimbursed by the City and the seven counties in the MCTD with respect to commuter stations located in each respective jurisdiction for the cost of staffing the stations, maintaining the stations and appurtenant land and buildings, and insurance. In addition, the City provides for the policing of the Transit System and contributes to support MTA New York City Transit’s paratransit, senior citizen and school children programs. Also, MTA Metro-North Railroad receives certain payments from the Connecticut Department of Transportation (CDOT) for its share of the operating deficits of the New Haven rail line.

City Agreement with MTA Bus. In December 2004, the MTA Board approved a letter agreement with the City (the MTA Bus Letter Agreement) with respect to MTA Bus’ establishment and operation of certain bus routes (the MTA Bus System) in areas then served by seven private bus companies pursuant to franchises granted by the City. The City’s payments under the MTA Bus Letter Agreement are pledged to holders of the Transportation Revenue Bonds and are reflected in **Tables 2a, 2b, 3a and 3b** above. The MTA Bus Letter Agreement with the City provides for the following:

- A lease by the City to MTA Bus of the bus assets to operate the MTA Bus System.

- The City agrees to pay MTA Bus the difference between the actual cost of operation of the MTA Bus System (other than certain capital costs) and all revenues and subsidies received by MTA Bus and allocable to the operation of the MTA Bus System.
- If the City fails to timely pay any of the subsidy amounts due for a period of 30 days, MTA Bus has the right, after an additional 10 days, to curtail, suspend or eliminate service and may elect to terminate the agreement. The City can terminate the agreement on one year's notice.

Revenues from Investment Income and Miscellaneous. MTA earns income, as do its subsidiaries and affiliates, from the temporary investment of money held in those of MTA's various funds and accounts that are pledged to holders of Transportation Revenue Bonds.

Factors Affecting Revenues

Ridership. The level of fare revenues depends to a large extent on MTA's ability to maintain and/or increase ridership levels on the Transit, Commuter and MTA Bus Systems. Those ridership levels are affected by safety and the quality and efficiency of systems operations, as well as by financial and economic conditions in the New York metropolitan area.

Fare Policy. MTA determines the rate or rates of fares charged to users of the Commuter System and MTA Bus System, and MTA New York City Transit and MaBSTOA, together with MTA, do the same for the Transit System. After adopting operating expense budgets and assessing the availability of governmental subsidies, each makes a determination of fares necessary to operate on a self-sustaining cash basis in compliance with State law and covenants in the Transportation Resolution. Considering the impact of increased fares on riders and on the regional economy, MTA may attempt to reduce costs or obtain additional revenues from other sources, mainly governmental sources, before increasing fares. As a result, even though MTA does not generally need other governmental approvals before setting fares, the amount and timing of fare increases may be affected by the federal, State and local government financial conditions, as well as by budgetary and legislative processes. MTA's obligation to obtain approval of fare increases on the New Haven line from CDOT can also affect the amount and timing of fare increases.

Ability to Comply with Rate Covenant and Pay Operating and Maintenance Expenses. The Transit, Commuter and MTA Bus Systems have depended, and are expected to continue to depend, upon government subsidies to meet capital and operating needs. Thus, although MTA is legally obligated by the Transportation Resolution's rate covenant to raise fares sufficiently to cover all capital and operating costs, there can be no assurance that there is any level at which Transit, Commuter and MTA Bus Systems fares alone would produce revenues sufficient to comply with the rate covenant, particularly if the current level (or the assumed level in the adopted budget for 2019, the preliminary budget prepared in connection with 2020 and the forecasts prepared in connection with 2021, 2022 and 2023) of collection of dedicated taxes, operating subsidies, and expense reimbursements were to be discontinued or substantially reduced.

Operating Results and Projections. Based upon the July Financial Plan 2020-2023, the budgets of the Related Entities are expected to be in balance in 2019 and 2020, but there are projected deficits in 2021, 2022 and 2023. Any of the Transit System, the Commuter System or MTA Bus System or all of them may be forced to institute additional cost reductions (which, in certain circumstances, could affect service which, in turn, could adversely affect revenues) or take other additional actions to close projected budget gaps, which could include additional fare increases.

Financial Plans. The July Financial Plan 2020-2023, the 2010-2014 Capital Program, the 2015-2019 Capital Program, the proposed 2020-2024 Capital Program and prior and future Capital Programs are interrelated, and any failure to fully achieve the various components of these plans could have an adverse impact on one or more of the other proposals contained in the July Financial Plan 2020-2023, the 2010-2014 Capital Program, the 2015-2019 Capital Program, the proposed 2020-2024 Capital Program and prior and future Capital Programs, as well as on pledged revenues.

MTA Transformation Plan. The 2019-2020 State Enacted Budget required a series of MTA reforms, including the mandate to develop an organizational restructuring plan with the goal of streamlining the organization and providing safe and reliable service, MTA remains committed to meeting the needs of its customers in a more cost efficient and trustworthy manner. To that end, MTA procured the services of a management consulting firm to aid in this transformation. That firm presented its report to MTA (MTA Transformation Plan) and initial anticipated fiscal impacts of the report's recommendations are included in the July Financial Plan 2020-2023. The MTA Transformation Plan was approved as a blueprint plan by the MTA Board at its July 24, 2019 meeting.

MTA Enhanced Policing and Technology Security Initiatives. MTA management has committed to two new initiatives that will have incremental budgetary expenditure impacts over the term of MTA's current four-year Financial Plan through 2023 and beyond. First, MTA is planning an incremental increase of 483 uniformed police officers over an already planned initiative that will provide an increase of police to serve East Side Access upon its opening. This additional increase in police officers will be primarily focused on MTA New York City Transit quality of life concerns, fare evasion enforcement and employee and customer safety on the subways and buses. By the end of the financial plan period, these combined initiatives are expected to provide MTA with an additional 581 uniformed police. The incremental costs of the initiative since the July Plan over the course of the 2020-2023 Financial Plan period is estimated to be approximately \$186.5 million, excluding related training and equipment costs. Second, a new technology security initiative to further enhance existing MTA and Related Entities' operating systems is planned with estimated costs of \$52.3 million annually for the years 2020 through 2022, \$42.3 million in 2023 and \$41.3 million in 2024, and annually thereafter. Each of the foregoing new programs will be included in the MTA budget in the November Financial Plan expected to be considered by the MTA Board at its November 2019 meeting.

MTA Bridges and Tunnels Operating Surplus. The amount of MTA Bridges and Tunnels operating surplus to be used for the Transit and Commuter Systems is affected by a number of factors, including traffic volume, the timing and amount of toll increases, the operating and capital costs of MTA Bridges and Tunnels Facilities, and the amount of debt service payable from its operating revenues, including debt service on obligations issued for the benefit of MTA's affiliates and subsidiaries and for MTA Bridges and Tunnels' own capital needs.

Government Assistance. The level and timing of government assistance to MTA may be affected by several different factors, such as:

- Subsidy payments by the State may be made only if and to the extent that appropriations have been made by the Legislature and money is available to fund those appropriations.
- The Legislature may not bind or obligate itself to appropriate revenues during a future legislative session, and appropriations approved during a particular legislative session generally have no force or effect after the close of the State fiscal year for which the appropriations are made.
- The State is not bound or obligated to continue to pay operating subsidies to the Transit, Commuter or MTA Bus Systems or to continue to impose any of the taxes currently funding those subsidies.
- The financial condition of the State and the State of Connecticut, and the City and counties in the MCTD could affect the ability or willingness of the States and local governments to continue to provide general operating subsidies, the City and local governments to continue to provide reimbursements and station maintenance payments, and the State to continue to make special appropriations.
- Court challenges to the State taxes that are the sources of various State and City operating subsidies to MTA, if successful, could adversely affect the amount of pledged revenues generated by such State taxes.

Information Relating to the State. Information relating to the State, including the Annual Information Statement of the State, as amended or supplemented, is not a part of this offering memorandum. Such information is on file with MSRB through EMMA with which the State was required to file, and the State has committed to update that information to the holders of its general obligation bonds in the manner specified in Rule 15c2-12. Prospective purchasers of Transportation Revenue Bonds and Notes wishing to obtain that information may refer to those filings regarding currently available information about the State. The State has not obligated itself to provide continuing disclosure in connection with the offering of Transportation Revenue Bonds or Notes. MTA makes no representations about State information or its continued availability.

SECURITY

General

The Transportation Revenue Bonds, including the Take Out Bonds, are MTA's special obligations payable as to principal (including sinking fund installments), redemption premium, if any, and interest from the security, sources of payment, and funds specified in the Transportation Resolution.

- The payment of principal (including sinking fund installments, if any), redemption premium, if any, and interest on Transportation Revenue Bonds is secured by, among other sources described below, the transportation revenues discussed in the preceding section "SOURCES OF PAYMENT," which are, together with certain other revenues, referred to as "pledged revenues."
- Holders of Transportation Revenue Bonds are to be paid prior to the payment, from pledged revenues, of operating or other expenses of MTA, MTA New York City Transit, MaBSTOA, MTA Long Island Rail Road, MTA Metro-North Railroad and MTA Bus. However, MTA's ability to generate major portions of the pledged revenues depends upon its payment of operating and other expenses.
- Transportation Revenue Bonds are not a debt of the State or the City, or any other local governmental unit.
- MTA has no taxing power.

Summaries of certain provisions of the Transportation Resolution and the form of the Interagency Agreement have been filed with the MSRB through EMMA. See "INTRODUCTION – Where to Find Information."

Pledge Effected by the Resolution

The Transportation Resolution provides that there are pledged to the payment of principal and redemption premium of, interest on, and sinking fund installments for, the Transportation Revenue Bonds and Parity Debt, in accordance with their terms and the provisions of the Transportation Resolution the following, referred to as the "Trust Estate":

- all pledged revenues as described above;
- the net proceeds of certain agreements pledged by MTA to the payment of transit and commuter capital projects;
- the proceeds from the sale of Transportation Revenue Bonds, until those proceeds are paid out for an authorized purpose;

- all funds, accounts and subaccounts established by the Transportation Resolution (except those established by a supplemental obligation resolution for variable interest rate obligations, put obligations, parity debt, subordinated contract obligations or subordinated debt); and
- the Amended and Restated Interagency Agreement dated as of April 1, 2006, among MTA, MTA Long Island Rail Road, MTA Metro-North Railroad, MTA New York City Transit, MaBSTOA and MTA Bus.

The Trustee may directly enforce an undertaking to operate the Transit System, the Commuter System or the MTA Bus System to ensure compliance with the Transportation Resolution.

Under the Transportation Resolution, the operators of the Transit, Commuter and MTA Bus Systems are obligated to transfer to the Trustee for deposit into the Revenue Fund virtually all pledged revenues as soon as practicable following receipt or, with respect to revenues in the form of cash and coin, immediately after being counted and verified. The pledge of money located in the State of Connecticut may not be effective until that money is deposited under the Transportation Resolution.

Flow of Revenues

The Transportation Resolution creates the following funds and accounts:

- Revenue Fund (held by the Trustee),
- Debt Service Fund (held by the Trustee), and
- Proceeds Fund (held by MTA).

The Transportation Resolution requires the Trustee, promptly upon receipt of the pledged revenues in the Revenue Fund, to deposit the revenues into the following funds and accounts, in the amounts and in the order of priority, as follows:

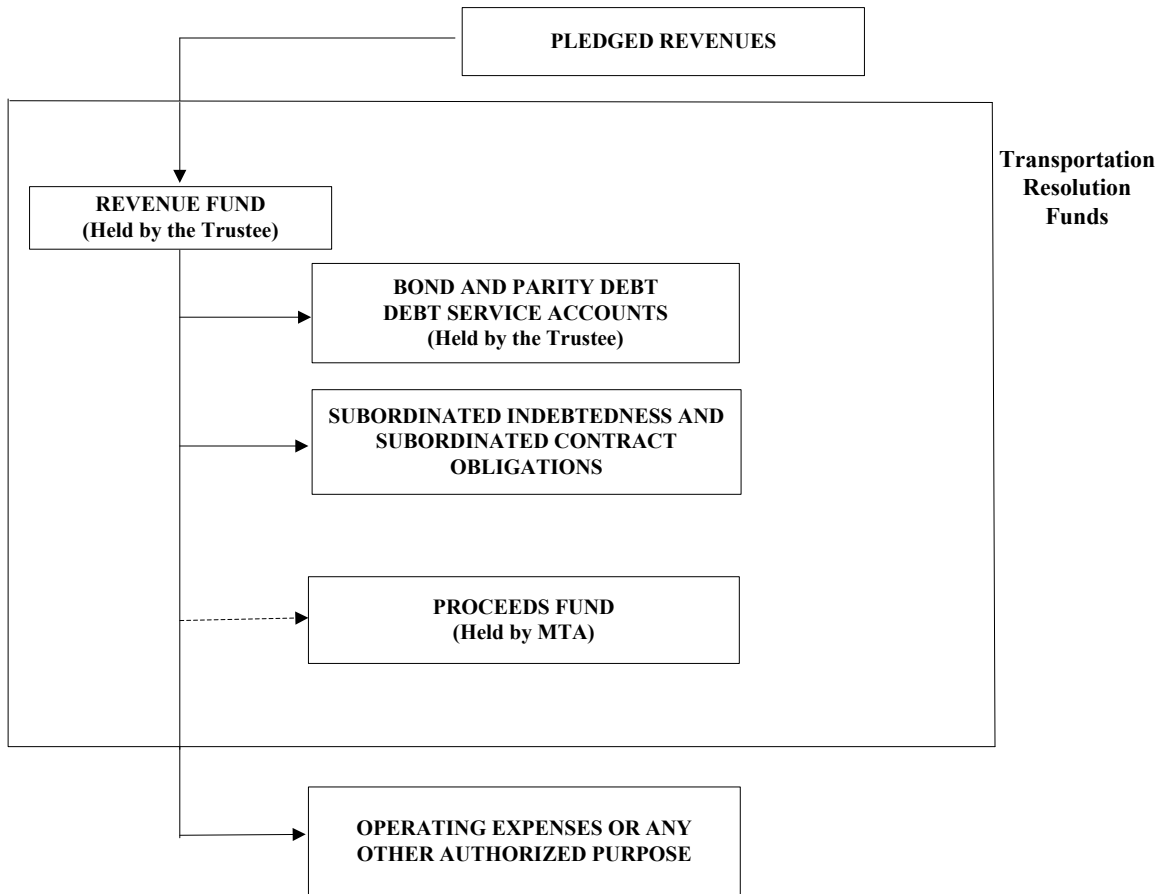
- to the debt service accounts, the net amount, if any, required to make the amount in the debt service accounts equal to the accrued debt service for Transportation Revenue Bonds and Parity Debt to the last day of the current calendar month;
- to pay, or accrue to pay, principal of and interest on any Subordinated Indebtedness or for payment of amounts due under any Subordinated Contract Obligation;
- to MTA for deposit in the Proceeds Fund, as directed by one of MTA's authorized officers, to fund Capital Costs of the Transit, Commuter and MTA Bus Systems; and
- to accounts held by MTA or any of the Related Transportation Entities for payment of operating expenses or any other authorized purpose.

All amounts paid out by MTA or the Trustee either for an authorized purpose (excluding transfers to any other pledged fund or account) or under the last bullet point above are free and clear of the lien and pledge created by the Transportation Resolution.

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The following chart illustrates the basic elements of the flow of revenues described above:

TRANSPORTATION REVENUE OBLIGATIONS – FLOW OF PLEDGED REVENUES



————— Normal Flow

- - - - - Discretionary Flow

Covenants

Rate Covenants. MTA must fix the transit and commuter fares and other charges and fees to be sufficient, together with other money legally available or expected to be available, including from government subsidies –

- to pay the debt service on all the Transportation Revenue Bonds;
- to pay any Parity Debt;
- to pay any Subordinated Indebtedness and amounts due on any Subordinated Contract Obligations; and
- to pay, when due, all operating and maintenance expenses and other obligations of its transit and commuter affiliates and subsidiaries.

See “SOURCES OF PAYMENT – Factors Affecting Revenues” above.

Operating and Maintenance Covenants.

- MTA, MaBSTOA, MTA New York City Transit, MTA Metro-North Railroad, MTA Long Island Rail Road and MTA Bus are required at all times to operate, or cause to be operated, the systems properly and in a sound and economical manner and maintain, preserve, reconstruct and keep the same or cause the same to be maintained, preserved, reconstructed and kept in good repair, working order and condition.
- Nothing in the Transportation Resolution prevents MTA from ceasing to operate or maintain, or from leasing or disposing of, all or any portion of the systems if, in MTA’s judgment it is advisable to do so, but only if the operation is not essential to the maintenance and continued operation of the rest of the systems and this arrangement does not materially interfere with MTA’s ability to comply with MTA’s rate covenants.

Additional Bonds. The Transportation Resolution permits MTA to issue additional Transportation Revenue Bonds and to issue or enter into Parity Debt, from time to time, to pay or provide for the payment of qualifying costs, without meeting any specific debt-service-coverage level, as long as MTA certifies to meeting the rate covenant described above for the year in which the additional debt is being issued. Under the Transportation Resolution, MTA may only issue additional Transportation Revenue Bonds if those bonds are issued to fund projects pursuant to an approved MTA Capital Program, if an approved capital program is then required.

There is no covenant with Owners limiting the aggregate principal amount of additional Transportation Revenue Bonds or Parity Debt that MTA may issue. There is a limit under current State law that covers the Transportation Revenue Bonds and certain other securities. See Part 3 of the **ADS** under the caption “GENERAL – Financing of Capital Projects and Statutory Ceiling” for a description of the current statutory cap.

Refunding Bonds. MTA may issue Transportation Revenue Bonds to refund all or any portion of the Transportation Revenue Bonds or Parity Debt. Transportation Revenue Bonds may also be issued to refund any pre-existing indebtedness of any Related Entity issued to fund transit and commuter projects. The MTA Board has adopted a refunding policy which must be complied with prior to the issuance of any refunding Bonds.

Non-Impairment. Under State law, the State has pledged to MTA that it will not limit or change MTA’s powers or rights in such a way that would impair the fulfillment of MTA’s promises to holders of the Transportation Revenue Bonds.

No Bankruptcy. State law specifically prohibits MTA, its Transit System affiliates, its Commuter System subsidiaries or MTA Bus from filing a bankruptcy petition under Chapter 9 of the U.S. Federal Bankruptcy Code. As long as any Transportation Revenue Bonds are outstanding, the State has covenanted not to change the law to permit MTA or its affiliates or subsidiaries to file such a petition. Chapter 9 does not provide authority for creditors to file involuntary bankruptcy proceedings against MTA or other Related Entities.

Parity Debt

MTA may incur Parity Debt pursuant to the terms of the Transportation Resolution that, subject to certain exceptions, would be secured by a pledge of, and a lien on, the Trust Estate on a parity with the lien created by the Transportation Resolution with respect to Transportation Revenue Bonds. Parity Debt may be incurred in the form of a Parity Reimbursement Obligation, a Parity Swap Obligation or any other contract, agreement or other obligation of MTA designated as constituting “Parity Debt” in a certificate of an Authorized Officer delivered to the Trustee.

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PART III. OTHER INFORMATION ABOUT THE SERIES 2019E NOTES

Part III of this offering memorandum provides miscellaneous additional information relating to the Series 2019E Notes.

TAX MATTERS

General

Nixon Peabody LLP and D. Seaton and Associates, P.A., P.C. are Co-Bond Counsel for the Series 2019E Notes. Each Co-Bond Counsel is of the opinion that, under existing law, relying on certain statements by MTA and assuming compliance by MTA with certain covenants, interest on the Series 2019E Notes is:

- excluded from a noteholder's federal gross income under Section 103 of the Internal Revenue Code of 1986, and
- not a specific preference item for a noteholder in calculating the federal alternative minimum tax.

Each Co-Bond Counsel is also of the opinion that, under existing law, interest on the Series 2019E Notes is exempt from personal income taxes of the State and any political subdivisions of the State, including the City. See **Attachment 3** to this offering memorandum for the form of the opinions that Co-Bond Counsel each expect to deliver when the Series 2019E Notes are delivered.

The Series 2019E Notes

The Internal Revenue Code of 1986 imposes requirements on the Series 2019E Notes that MTA must continue to meet after the Series 2019E Notes are issued. These requirements generally involve the way that Series 2019E Note proceeds must be invested and ultimately used, and the way that assets financed and refinanced with proceeds of the Series 2019E Notes must be used. If MTA does not meet these requirements, it is possible that a noteholder may have to include interest on the Series 2019E Notes in its federal gross income on a retroactive basis to the date of issue. MTA has covenanted to do everything necessary to meet the requirements of the Internal Revenue Code of 1986.

A noteholder who is a particular kind of taxpayer may also have additional tax consequences from owning the Series 2019E Notes. This is possible if a noteholder is:

- an S corporation,
- a United States branch of a foreign corporation,
- a financial institution,
- a property and casualty or a life insurance company,
- an individual receiving Social Security or railroad retirement benefits,
- an individual claiming the earned income credit, or
- a borrower of money to purchase or carry the Series 2019E Notes.

Prospective holders, particularly those in any of these categories, should consult their tax advisors.

Co-Bond Counsel are not responsible for updating their respective opinions in the future. It is possible that future events could change the tax treatment of the interest on the Series 2019E Notes or affect the market price of the Series 2019E Notes. See also “Miscellaneous” below under this heading.

Co-Bond Counsel express no opinion on the effect of any action taken or not taken in reliance upon an opinion of other counsel on the federal income tax treatment of interest on the Series 2019E Notes, or under State, local or foreign tax law.

Interest and Bond Premium

Notice 94-84, 1994-2 C.B. 559, states that the Internal Revenue Service is studying whether the amount of the stated interest payable at maturity on short-term debt obligations (i.e., debt obligations with a stated fixed rate of interest which mature not more than one year from the date of issue) that is excluded from gross income for federal income tax purposes should be treated as (i) qualified stated interest or (ii) part of the stated redemption price at maturity of the short-term debt obligation, resulting in treatment as accrued original issue discount. The Series 2019E Notes will be issued as short-term debt obligations. Until the Internal Revenue Service provides further guidance with respect to tax-exempt short-term debt obligations, taxpayers may treat the stated interest payable at maturity either as qualified stated interest or as includable in the stated redemption price at maturity, resulting in original issue discount as interest that is excluded from gross income for federal income tax purposes. However, taxpayers must treat the amount to be paid at maturity on all tax-exempt short-term debt obligations in a consistent manner. Taxpayers should consult their own tax advisors with respect to the tax consequences of ownership of Series 2019E Notes if the taxpayer elects original issue discount treatment.

If a noteholder purchases a Series 2019E Note for a price that is more than the principal amount, generally the excess is “bond premium” on that Series 2019E Note. The tax accounting treatment of bond premium is complex. It is amortized over time and as it is amortized a noteholder’s tax basis in that Series 2019E Note will be reduced. The holder of a Series 2019E Note that is callable before its stated maturity date may be required to amortize the premium over a shorter period, resulting in a lower yield on such Series 2019E Note. A noteholder in certain circumstances may realize a taxable gain upon the sale of a Series 2019E Note with bond premium, even though the Series 2019E Note is sold for an amount less than or equal to the noteholder’s original cost. If a noteholder owns any Series 2019E Notes with bond premium, it should consult its tax advisor regarding the tax accounting treatment of bond premium.

Information Reporting and Backup Withholding

Information reporting requirements apply to interest paid on tax-exempt obligations, such as the Series 2019E Notes. In general, such requirements are satisfied if the interest recipient completes, and provides the payor with, a Form W-9, “Request for Taxpayer Identification Number and Certification,” or if the interest recipient is one of a limited class of exempt recipients. A recipient not otherwise exempt from information reporting who fails to satisfy the information reporting requirements will be subject to “backup withholding,” which means that the payor is required to deduct and withhold a tax from the interest payment, calculated in the manner set forth in the Internal Revenue Code of 1986. For the foregoing purpose, a “payor” generally refers to the person or entity from whom a recipient receives its payments of interest or who collects such payments on behalf of the recipient.

If a noteholder purchasing a Series 2019E Note through a brokerage account has executed a Form W-9 in connection with the establishment of such account, as generally can be expected, no backup withholding should occur. In any event, backup withholding does not affect the excludability of the interest on the Series 2019E Notes from gross income for federal income tax purposes. Any amounts withheld pursuant to backup withholding would be allowed as a refund or a credit against the noteholder’s federal income tax once the required information is furnished to the Internal Revenue Service.

Miscellaneous

Legislative or administrative actions and court decisions, at either the federal or state level, may cause interest on the Series 2019E Notes to be subject, directly or indirectly, in whole or in part, to federal, state or local income taxation, and thus have an adverse impact on the value or marketability of the Series 2019E Notes. This could result from changes to federal or state income tax rates, changes in the structure of federal or state income taxes (including replacement with another type of tax), repeal of the exclusion or exemption of the interest on the Series 2019E Notes from gross income for federal or state income tax purposes, or otherwise. Prospective purchasers of the Series 2019E Notes should consult their own tax advisors regarding the impact of any change in law or proposed change in law on the Series 2019E Notes. Co-Bond Counsel have not undertaken to advise in the future whether any events after the date of issuance of the Series 2019E Notes may affect the tax status of interest on the Series 2019E Notes.

Prospective purchasers of the Series 2019E Notes should consult their own tax advisors regarding the foregoing matters.

LEGALITY FOR INVESTMENT

The MTA Act provides that the Series 2019E Notes are securities in which the following investors may properly and legally invest funds, including capital in their control or belonging to them:

- all public officers and bodies of the State and all municipalities and political subdivisions in the State,
- all insurance companies and associations and other persons carrying on an insurance business, all banks, bankers, trust companies, savings banks and savings associations, including savings and loan associations, building and loan associations, investment companies and other persons carrying on a banking business,
- all administrators, guardians, executors, trustees and other fiduciaries, and
- all other persons whatsoever who are now or who may hereafter be authorized to invest in the obligations of the State.

Certain of those investors, however, may be subject to separate restrictions that limit or prevent their investment in the Series 2019E Notes.

LITIGATION

There is no pending litigation concerning the Series 2019E Notes.

MTA is the defendant in numerous claims and actions, as are its affiliates and subsidiaries, including MTA New York City Transit, MaBSTOA, MTA Long Island Rail Road, MTA Metro-North Railroad, MTA Bus and MTA Bridges and Tunnels. Certain of these claims and actions, either individually or in the aggregate, are potentially material to MTA, or its affiliates or subsidiaries. MTA does not believe that any of these claims or actions would affect the application of the sources of payment for the Series 2019E Notes. A summary of certain of these potentially material claims and actions is set forth in Part 6 of the ADS under the caption "LITIGATION," as that filing may be amended or supplemented to date.

CO-FINANCIAL ADVISORS

Public Resources Advisory Group, Inc. and Backstrom McCarley Berry & Co., LLC, are MTA's Co-Financial Advisors for the Series 2019E Notes. The Co-Financial Advisors have provided MTA advice on the

plan of financing and reviewed the competitive bidding of the Series 2019E Notes. The Co-Financial Advisors have not independently verified the information contained in this offering memorandum and do not assume responsibility for the accuracy, completeness or fairness of such information.

UNDERWRITING

After competitive bidding on October 10, 2019, the Series 2019E Notes were awarded to the purchasers identified in the table below (the Underwriters) in the principal amounts and at the purchase prices indicated therein. Each Underwriter has agreed to purchase all of the Series 2019E Notes awarded to them. Each Underwriter has sole discretion in establishing the price at which the Series 2019E Notes awarded to them will be offered to the public and may change from time to time the offering prices for the Series 2019E Notes it purchased.

<u>Underwriter</u>	<u>Principal Amount Purchased</u>	<u>Original Issue Premium</u>	<u>Underwriter's Discount</u>	<u>Purchase Price</u>
Citigroup Global Markets Inc.	\$100,000,000	\$2,318,000	\$50,000	\$102,268,000
Goldman Sachs & Co. LLC	100,000,000	2,282,000	4,500	102,277,500
J.P. Morgan Securities LLC	100,000,000	2,291,000	10,000	102,281,000
Morgan Stanley & Co. LLC	100,000,000	2,282,000	13,000	102,269,000
Jefferies LLC	50,000,000	1,145,500	10,997	51,134,503
RBC Capital Markets LLC	50,000,000	1,141,000	0	51,141,000
TD Securities (USA) LLC	50,000,000	1,145,500	10,000	51,135,500
UBS Financial Services Inc.	50,000,000	1,145,500	9,000	51,136,500

The Series 2019E Notes may be offered and sold to certain dealers (including dealers depositing such Series 2019E Notes into investment trusts) at prices lower or yields higher than such public offering prices or yields and prices or yields may be changed, from time to time, by the Underwriters.

In addition, certain of the Underwriters may have entered into distribution agreements with other broker-dealers (that have not been designated by MTA as Underwriters) for the distribution of the Series 2019E Notes at the original issue prices. Such agreements generally provide that the relevant Underwriter will share a portion of its underwriting compensation or selling concession with such broker-dealers.

The Underwriters and their respective affiliates are full service financial institutions engaged in various activities, which may include securities trading, commercial and investment banking, financial advisory, investment management, principal investment, hedging, financing and brokerage activities. Certain of the Underwriters and their respective affiliates have, from time to time, performed, and may in the future perform, various investment banking services for MTA, for which they received or will receive customary fees and expenses.

In the ordinary course of their various business activities, the Underwriters and their respective affiliates may make or hold a broad array of investments and actively trade debt and equity securities (or related derivative securities, which may include credit default swaps) and financial instruments (including bank loans) for their own account and for the accounts of their customers and may at any time hold long and short positions in such securities and instruments. Such investment and securities activities may involve securities and instruments of MTA. The Underwriters and their respective affiliates may also communicate independent investment recommendations, market color or trading ideas and/or publish or express independent research views in respect of such assets, securities or instruments and may at any time hold, or recommend to clients that they should acquire, long and/or short positions in such assets, securities and instruments.

RATINGS

The Summary of Terms identifies the ratings of the credit rating agencies that are assigned to the Series 2019E Notes. Those ratings reflect only the views of the organizations assigning them. An explanation

of the significance of the ratings or any outlooks or other statements given with respect thereto from each identified agency may be obtained as follows:

Fitch Ratings
33 Whitehall Street
New York, New York 10004
(212) 908-0500

Kroll Bond Rating Agency, Inc.
805 Third Avenue, 29th Floor
New York, New York 10022
(212) 702-0707

Moody's Investors Service, Inc.
7 World Trade Center
New York, New York 10007
(212) 553-0300

S&P Global Ratings
55 Water Street
New York, New York 10041
(212) 438-2000

MTA has furnished information to each rating agency rating the notes being offered, including information not included in this offering memorandum, about MTA and the notes. Generally, rating agencies base their ratings on that information and on independent investigations, studies and assumptions made by each rating agency. A securities rating is not a recommendation to buy, sell or hold securities. There can be no assurance that ratings will continue for any given period of time or that they will not be revised downward or withdrawn entirely by a rating agency if, in the judgment of that rating agency, circumstances warrant the revision or withdrawal. Those circumstances may include, among other things, changes in or unavailability of information relating to MTA or the notes. Any downward revision or withdrawal of a rating may have an adverse effect on the market price of the notes.

LEGAL MATTERS

All legal proceedings in connection with the issuance of the notes being offered are subject to the approval of Nixon Peabody LLP and D. Seaton and Associates, P.A., P.C., Co-Bond Counsel to MTA. The form of the opinions of Co-Bond Counsel in connection with the issuance of the Series 2019E Notes is **Attachment 3** to this offering memorandum.

Certain legal matters will be passed upon by Hawkins Delafield & Wood LLP, Special Disclosure Counsel to MTA.

Certain legal matters regarding MTA will be passed upon by its General Counsel.

CONTINUING DISCLOSURE

As more fully stated in **Attachment 2**, MTA has agreed to provide certain financial information and operating data by no later than 120 days following the end of each fiscal year. That information is to include, among other things, information concerning MTA's annual audited financial statements prepared in accordance with generally accepted accounting principles, or if unavailable, unaudited financial statements will be delivered until audited statements become available. MTA has undertaken to file such information (the Annual Information) with EMMA.

MTA has further agreed to deliver notice to EMMA of any failure to provide the Annual Information. MTA is also obligated to deliver, in a timely manner not in excess of ten business days after the occurrence of each event, notices of the following events to EMMA:

- principal and interest payment delinquencies;
- non-payment related defaults, if material;
- unscheduled draws on debt service reserves reflecting financial difficulties;

- unscheduled draws on credit enhancements reflecting financial difficulties;
- substitution of credit or liquidity providers, or their failure to perform;
- adverse tax opinions, the issuance by the IRS of proposed or final determinations of taxability, Notices of Proposed Issue (IRS Form 5701-TEB) or other material notices or determinations with respect to the tax status of the securities or other material events affecting the tax status of the securities;
- modifications to the rights of security holders, if material;
- bond calls, if material, and tender offers;
- defeasances;
- release, substitution, or sale of property securing repayment of the securities, if material;
- rating changes;
- bankruptcy, insolvency, receivership of MTA or similar event;
- consummation of a merger, consolidation or acquisition involving an obligated person or sale of all or substantially all of the assets of an obligated person, other than in the ordinary course of business, the entry into a definitive agreement to undertake such action or the termination of a definitive agreement relating to such actions, other than pursuant to its terms, if material;
- appointment of a successor or additional trustee or the change in name of a trustee, if material;
- incurrence of a financial obligation, as defined in Rule 15c2-12, of MTA, if material, or agreement to covenants, events of default, remedies, priority rights, or other similar terms of a financial obligation of MTA, any of which affect security holders, if material; and
- default, event of acceleration, termination event, modification of terms or other similar events under the terms of a financial obligation of MTA, any of which reflect financial difficulties.

MTA has not failed to comply, in any material respect, with any previous undertakings in a written contract or agreement specified in paragraph (b)(5)(i) of Rule 15c2-12 under the Securities Exchange Act of 1934, as amended.

MTA is not responsible for any failure by EMMA or any nationally recognized municipal securities information repository to timely post disclosure submitted to it by MTA or any failure to associate such submitted disclosure to all related CUSIPs.

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FURTHER INFORMATION

MTA may place a copy of this offering memorandum on MTA's website at <http://web.mta.info/mta/investor/>. No statement on MTA's website or any other website is included by specific cross-reference herein.

Although MTA has prepared the information on its website for the convenience of those seeking that information, no decision in reliance upon that information should be made. Typographical or other errors may have occurred in converting the original source documents to their digital format, and MTA assumes no liability or responsibility for errors or omissions contained on any website. Further, MTA disclaims any duty or obligation to update or maintain the availability of the information contained on any website or any responsibility or liability for any damages caused by viruses contained within the electronic files on any website. MTA also assumes no liability or responsibility for any errors or omissions or for any updates to dated information contained on any website.

METROPOLITAN TRANSPORTATION AUTHORITY

By: /s/ Patrick J. McCoy

Patrick J. McCoy
Director, Finance

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ATTACHMENT 1

BOOK-ENTRY-ONLY SYSTEM

1. The Depository Trust Company (DTC), New York, NY, will act as securities depository for the Series 2019E Notes. The Series 2019E Notes will be issued as fully-registered securities registered in the name of Cede & Co. (DTC's partnership nominee) or such other name as may be requested by an authorized representative of DTC. One fully-registered Series 2019E Note will be issued for the Series 2019E Notes, in the aggregate principal amount of the Series 2019E Notes, and will be deposited with DTC. If, however, the aggregate principal amount of the Series 2019E Notes exceeds \$500 million, one note will be issued with respect to each \$500 million of principal amount, and an additional note will be issued with respect to any remaining principal amount.

2. DTC, the world's largest depository, is a limited-purpose trust company organized under the New York Banking Law, a "banking organization" within the meaning of the New York Banking Law, a member of the Federal Reserve System, a "clearing corporation" within the meaning of the New York Uniform Commercial Code, and a "clearing agency" registered pursuant to the provisions of Section 17A of the Securities Exchange Act of 1934. DTC holds and provides asset servicing for over 3.5 million issues of U.S. and non-U.S. equity issues, corporate and municipal debt issues, and money market instruments (from over 100 countries) that DTC's participants (Direct Participants) deposit with DTC. DTC also facilitates the post-trade settlement among Direct Participants of sales and other securities transactions in deposited securities, through electronic computerized book-entry transfers and pledges between Direct Participants' accounts. This eliminates the need for physical movement of securities certificates. Direct Participants include both U.S. and non-U.S. securities brokers and dealers, banks, trust companies, clearing corporations, and certain other organizations. DTC is a wholly-owned subsidiary of The Depository Trust & Clearing Corporation (DTCC). DTCC is the holding company for DTC, National Securities Clearing Corporation and Fixed Income Clearing Corporation, all of which are registered clearing agencies. DTCC is owned by the users of its regulated subsidiaries. Access to the DTC system is also available to others such as both U.S. and non-U.S. securities brokers and dealers, banks, trust companies and clearing corporations that clear through or maintain a custodial relationship with a Direct Participant, either directly or indirectly (Indirect Participants). DTC has a S&P rating of AA+. The DTC Rules applicable to Participants are on file with the Securities and Exchange Commission. More information about DTC can be found at www.dtcc.com.

3. Purchases of Series 2019E Notes under the DTC system must be made by or through Direct Participants, which will receive a credit for the Series 2019E Notes on DTC's records. The ownership interest of each actual purchaser of each Series 2019E Note (Beneficial Owner) is in turn to be recorded on the Direct and Indirect Participants' records. Beneficial Owners will not receive written confirmation from DTC of their purchase. Beneficial Owners are, however, expected to receive written confirmations providing details of the transaction, as well as periodic statements of their holdings, from the Direct or Indirect Participant through which the Beneficial Owner entered into the transaction. Transfers of ownership interests in the Series 2019E Notes are to be accomplished by entries made on the books of Direct and Indirect Participants acting on behalf of Beneficial Owners. Beneficial Owners will not receive certificates representing their ownership interests in Series 2019E Notes, except in the event that use of the book-entry system for the Series 2019E Notes is discontinued.

4. To facilitate subsequent transfers, all Series 2019E Notes deposited by Direct Participants with DTC are registered in the name of DTC's partnership nominee, Cede & Co., or such other name as may be requested by an authorized representative of DTC. The deposit of Series 2019E Notes with DTC and their registration in the name of Cede & Co. or such other DTC nominee do not effect any change in beneficial ownership. DTC has no knowledge of the actual Beneficial Owners of the Series 2019E Notes; DTC's records reflect only the identity of the Direct Participants to whose accounts such Series 2019E Notes are credited, which may or may not be the Beneficial Owners. The Direct and Indirect Participants will remain responsible for keeping account of their holdings on behalf of their customers.

5. Conveyance of notices and other communications by DTC to Direct Participants, by Direct Participants to Indirect Participants, and by Direct Participants and Indirect Participants to Beneficial Owners will be governed by arrangements among them, subject to any statutory or regulatory requirements as may be in effect from time to time. Beneficial Owners of Series 2019E Notes may wish to take certain steps to augment the transmission to them of notices of significant events with respect to the Series 2019E Notes, such as defaults, and proposed amendments to the Series 2019E Note documents. For example, Beneficial Owners of the Series 2019E Notes may wish to ascertain that the nominee holding the Series 2019E Notes for their benefit has agreed to obtain and transmit notices to Beneficial Owners. In the alternative, Beneficial Owners may wish to provide their names and addresses to the registrar and request that copies of notices be provided directly to them.

6. Neither DTC nor Cede & Co. (nor any other DTC nominee) will consent or vote with respect to the Series 2019E Notes unless authorized by a Direct Participant in accordance with DTC's MMI Procedures. Under its usual procedures, DTC mails an Omnibus Proxy to MTA as soon as possible after the record date. The Omnibus Proxy assigns Cede & Co.'s consenting or voting rights to those Direct Participants to whose accounts Series 2019E Notes are credited on the record date (identified in a listing attached to the Omnibus Proxy).

7. Principal and interest payments on the Series 2019E Notes will be made to Cede & Co., or such other nominee as may be requested by an authorized representative of DTC. DTC's practice is to credit Direct Participants' accounts upon DTC's receipt of funds and corresponding detailed information from MTA or the Trustee, on payable date in accordance with their respective holdings shown on DTC's records. Payments by Participants to Beneficial Owners will be governed by standing instructions and customary practices, as is the case with securities held for the accounts of customers in bearer form or registered in "street name," and will be the responsibility of such Participant and not of DTC, the Trustee or MTA, subject to any statutory or regulatory requirements as may be in effect from time to time. Payment of principal and interest payments to Cede & Co. (or such other nominee as may be requested by an authorized representative of DTC) is the responsibility of MTA or the Trustee, disbursement of such payments to Direct Participants will be the responsibility of DTC, and disbursement of such payments to the Beneficial Owners will be the responsibility of Direct and Indirect Participants.

8. DTC may discontinue providing its services as depository with respect to the Series 2019E Notes at any time by giving reasonable notice to MTA or the Trustee. Under such circumstances, in the event that a successor depository is not obtained, certificates for the Series 2019E Notes are required to be printed and delivered.

9. MTA may decide to discontinue use of the system of book-entry-only transfers through DTC (or a successor securities depository). In that event, certificates for the Series 2019E Notes will be printed and delivered to DTC.

THE ABOVE INFORMATION CONCERNING DTC AND DTC'S BOOK-ENTRY SYSTEM HAS BEEN OBTAINED FROM SOURCES THAT MTA BELIEVES TO BE RELIABLE, BUT MTA TAKES NO RESPONSIBILITY FOR THE ACCURACY THEREOF.

ATTACHMENT 2

CONTINUING DISCLOSURE UNDER SEC RULE 15c2-12

In order to assist the Underwriters in complying with the provisions of Rule 15c2-12 under the Securities Exchange Act of 1934, as amended (Rule 15c2-12), MTA and the Trustee will enter into a written agreement (the Disclosure Agreement) for the benefit of holders of the Series 2019E Notes to provide continuing disclosure. MTA will undertake to provide certain financial information and operating data relating to the Related Transportation Entities (currently, MTA and its subsidiaries MTA Long Island Rail Road, MTA Metro-North Railroad and MTA Bus, and MTA New York City Transit and its subsidiary MaBSTOA) by no later than 120 days after the end of each MTA fiscal year, commencing with the fiscal year ending December 31, 2019 (the Annual Information), and to provide notices of the occurrence of certain enumerated events. The Annual Information will be filed by or on behalf of MTA with the Electronic Municipal Market Access system (EMMA) of the Municipal Securities Rulemaking Board (the MSRB). Notices of enumerated events will be filed by or on behalf of MTA with EMMA. The nature of the information to be provided in the Annual Information and the notices of material events is set forth below.

Pursuant to Rule 15c2-12, MTA will undertake for the benefit of holders of Series 2019E Notes to provide or cause to be provided, either directly or through the Trustee, audited consolidated financial statements of MTA New York City Transit and the audited consolidated financial statements of MTA by no later than 120 days after the end of each fiscal year commencing with the fiscal year ending December 31, 2019, when and if such audited financial statements become available and, if such audited financial statements of either MTA New York City Transit or MTA are not available on the date which is 120 days after the end of a fiscal year, the unaudited financial statements of MTA New York City Transit or MTA for such fiscal year. MTA New York City Transit's and MTA's annual financial statements will be filed by or on behalf of such parties by MTA with EMMA. In the event that such audited financial statements of MTA New York City Transit cease to be separately published, the obligation of MTA hereunder to provide such financial statements shall cease.

The required Annual Information shall consist of at least the following:

1. a description of the systems operated by the Related Transportation Entities and their operations,
2. a description of changes to the fares or fare structures charged to users of the systems operated by the Related Transportation Entities,
3. operating data of the Related Transportation Entities, including data of the type included in the MTA Annual Disclosure Statement (the **ADS**) under the following captions:
 - a. "TRANSIT SYSTEM,"
 - b. "RIDERSHIP AND FACILITIES USE – Transit System (MTA New York City Transit and MaBSTOA) Ridership,"
 - c. "EMPLOYEES, LABOR RELATIONS AND PENSION AND OTHER POST-EMPLOYMENT OBLIGATIONS – MTA New York City Transit and MaBSTOA,"
 - d. "COMMUTER SYSTEM,"
 - e. "RIDERSHIP AND FACILITIES USE – Commuter System Ridership,"
 - f. "EMPLOYEES, LABOR RELATIONS AND PENSION AND OTHER POST-EMPLOYMENT OBLIGATIONS – Commuter System,"
 - g. "MTA BUS COMPANY,"
 - h. "RIDERSHIP AND FACILITIES USE – MTA Bus Ridership," and

- i. “EMPLOYEES, LABOR RELATIONS AND PENSION AND OTHER POST-EMPLOYMENT OBLIGATIONS – MTA Bus.”
4. information regarding the Capital Programs of the Related Transportation Entities, including information of the type included in the **ADS** under the caption “FINANCIAL PLANS AND CAPITAL PROGRAMS,”
5. a presentation of the financial results of the Related Transportation Entities prepared in accordance with GAAP for the most recent year for which that information is then currently available (currently, MTA New York City Transit prepares consolidated financial statements and MTA prepares consolidated financial statements),
6. a presentation of changes to indebtedness issued by MTA under the Transportation Resolution, as well as information concerning changes to MTA’s debt service requirements on such indebtedness payable from pledged revenues,
7. information concerning the amounts, sources, material changes in and material factors affecting pledged revenues and debt service incurred under the Transportation Resolution,
8. financial information of the type included in this offering memorandum in **Table 2a** and **Table 2b** under the caption “SOURCES OF PAYMENT—Pledged Transportation Revenues” and included in the **ADS** under the caption “REVENUES OF THE RELATED ENTITIES,”
9. material litigation related to any of the foregoing, and
10. such narrative explanation as may be necessary to avoid misunderstanding and to assist the reader in understanding the presentation of financial information and operating data concerning, and in judging the financial condition of, the Related Entities.

All or any portion of the Annual Information as well as required audited financial statements may be incorporated therein by specific cross-reference to any other documents which have been filed with (a) EMMA or (b) the Securities and Exchange Commission (the SEC). Annual Information for any fiscal year containing any amended operating data or financial information for such fiscal year shall explain, in narrative form, the reasons for such amendment and the impact of the change on the type of operating data or financial information in the Annual Information being provided for such fiscal year. If a change in accounting principles is included in any such amendment, such information shall present a comparison between the financial statements or information prepared on the basis of the amended accounting principles and those prepared on the basis of the former accounting principles. Such comparison shall include a qualitative discussion of the differences in the accounting principles and the impact of the change in the accounting principles on the presentation of the financial information. To the extent feasible, such comparison shall also be quantitative. A notice of any such change in accounting principles shall be sent to EMMA.

MTA will undertake, for the benefit of holders of the Series 2019E Notes, to provide or cause to be provided:

1. to EMMA, in a timely manner not in excess of 10 business days after the occurrence of the event, notice of any of the events listed under the caption “CONTINUING DISCLOSURE” in this offering memorandum with respect to the Series 2019E Notes, and
2. to EMMA, in a timely manner, notice of a failure to provide any Annual Information required by such undertaking or any required audited financial statements of any of the Related Transportation Entities.

The Disclosure Agreement provides that if any party to the Disclosure Agreement fails to comply with any provisions of its undertaking described herein, then any holder of the Series 2019E Notes (which will include beneficial owners during any period that DTC acts as securities depository for, and DTC or its nominee is the registered owner of, the Series 2019E Notes) may enforce, for the equal benefit and protection

of all holders similarly situated, by mandamus or other suit or proceeding at law or in equity, the undertaking against such party and any of its officers, agents and employees, and may compel such party or any of its officers, agents or employees to perform and carry out their duties thereunder; provided that the sole and exclusive remedy for breach under the undertaking is an action to compel specific performance, and no person or entity, including any holder of Series 2019E Notes, may recover monetary damages thereunder under any circumstances, and provided further that any challenge to the adequacy of any information under the undertaking may be brought only by the Trustee or the holders of 25 percent in aggregate principal amount of the Series 2019E Notes at the time Outstanding which are affected thereby. Each of MTA and the Trustee reserves the right, but shall not be obligated, to enforce the obligations of the others. Failure to comply with any provisions of the undertaking shall not constitute a default under the Transportation Resolution nor give right to the Trustee or any Owner to exercise any remedies under the Transportation Resolution. In addition, if all or any part of Rule 15c2-12 ceases to be in effect for any reason, then the information required to be provided under the undertaking insofar as the provision of Rule 15c2-12 no longer in effect required the provision of such information shall no longer be required to be provided.

The foregoing is intended to set forth a general description of the type of financial information and operating data that will be provided; the descriptions are not intended to state more than general categories of financial information and operating data, and where MTA's undertaking calls for information that no longer can be generated or is no longer relevant because the operations to which it related have been materially changed or discontinued, a statement to that effect will be provided. MTA does not anticipate that it often will be necessary to amend the undertaking. The undertaking, however, may be amended or modified under certain circumstances set forth therein and the undertaking will continue until the earlier of the date the Series 2019E Notes have been paid in full or legally defeased pursuant to the Transportation Resolution or the date the undertaking is no longer required by law. Copies of the undertaking when executed by the parties will be on file at the office of MTA.

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ATTACHMENT 3

FORM OF APPROVING OPINIONS OF CO-BOND COUNSEL

Upon delivery of the Series 2019E Notes in definitive form, each of Nixon Peabody LLP, New York, New York, and D. Seaton and Associates, P.A., P.C., New York, New York, Co-Bond Counsel to MTA, proposes to render its final approving opinion in substantially the following form:

[Date of Delivery]

Metropolitan Transportation Authority
New York, New York

Ladies and Gentlemen:

We have examined a certified copy of the record of proceedings of the Metropolitan Transportation Authority (“MTA”) and other proofs submitted to us relative to the issuance of \$600,000,000 aggregate principal amount of Metropolitan Transportation Authority Transportation Revenue Bond Anticipation Notes, Series 2019E (the “Series 2019E Notes”).

All terms defined in the Resolution (hereinafter defined) and used herein shall have the respective meanings assigned in the Resolution, except where the context hereof otherwise requires.

The Series 2019E Notes are issued under and pursuant to the Constitution and statutes of the State of New York (the “State”), including the Metropolitan Transportation Authority Act, being Title 11 of Article 5 of the Public Authorities Law, Chapter 43-A of the Consolidated Laws of the State of New York, as amended to the date of this opinion letter (herein called the “Issuer Act”), and under and pursuant to proceedings of MTA duly taken, including a resolution adopted by the members of MTA on March 26, 2002 entitled “General Resolution Authorizing Transportation Revenue Obligations”, as supplemented by the Multiple Series 2019 Bond Anticipation Notes and Related Subordinated Indebtedness Transportation Revenue Bond Supplemental Resolution adopted on December 12, 2018, as amended on June 26, 2019, and the Multiple Series 2019 Transportation Revenue Bond Supplemental Resolution adopted on December 12, 2018, as amended on June 26, 2019 (collectively, the “Resolution”).

The Series 2019E Notes are dated, mature, are payable and bear interest, all as provided in the Resolution.

The Internal Revenue Code of 1986, as amended (the “Code”), establishes certain requirements that must be met subsequent to the issuance and delivery of the Series 2019E Notes in order that interest on the Series 2019E Notes be and remain excluded from gross income for federal income tax purposes under Section 103 of the Code. We have examined the Arbitrage and Use of Proceeds Certificate of MTA, dated the date hereof (the “Arbitrage and Use of Proceeds Certificate”), in which MTA has made representations, statements of intention and reasonable expectation, certifications of fact and covenants relating to the federal tax status of interest on the Series 2019E Notes, including, but not limited to, certain representations with respect to the use of the proceeds of the Series 2019E Notes and the investment of certain funds. The Arbitrage and Use of Proceeds Certificate obligates the MTA to take certain actions necessary to cause interest on the Series 2019E Notes to be excluded from gross income pursuant to Section 103 of the Code. Noncompliance with the requirements of the Code could cause interest on the Series 2019E Notes to be included in gross income for federal income tax purposes retroactive to the date of issuance, irrespective of the date on which such noncompliance occurs or is ascertained. MTA has covenanted in the Resolution to maintain the exclusion of the interest on the Series 2019E Notes from gross income for federal income tax purposes pursuant to Section 103(a) of the Code.

In rendering the opinion in paragraph 6 hereof, we have relied upon and assumed the material accuracy of the representations, statements of intention and reasonable expectation and certifications of fact contained in the Arbitrage and Use of Proceeds Certificate with respect to matters affecting the exclusion of interest on the Series 2019E Notes from gross income for federal income tax purposes pursuant to Section 103 of the Code, and compliance by the MTA with procedures and covenants set forth in the Arbitrage and Use of Proceeds Certificate as to such tax matters.

We have also examined one of said Series 2019E Notes as executed and, in our opinion, the form of said Series 2019E Note and its execution are regular and proper.

We are of the opinion that:

1. MTA is duly created and validly existing under the laws of the State, including the Constitution of the State and the Issuer Act.

2. MTA has the right and power under the Issuer Act to adopt the Resolution. The Resolution has been duly and lawfully adopted by MTA, is in full force and effect, is valid and binding upon MTA, and is enforceable in accordance with its terms, and no other authorization for the Resolution is required. The Resolution creates the valid pledge which it purports to create of the Trust Estate, subject only to the provisions of the Resolution permitting the application thereof for the purposes and on the terms and conditions set forth in the Resolution.

3. The Series 2019E Notes have been duly and validly authorized and issued in accordance with the laws of the State, including the Constitution of the State and the Issuer Act, and in accordance with the Resolution, and are valid and binding special obligations of MTA, enforceable in accordance with their terms and the terms of the Resolution, payable solely from (i) the proceeds of notes, including renewal notes, issued under the BAN Resolution, (ii) the proceeds of the Take-Out Bonds (as defined in the Resolution) and (iii) with respect to interest payable on the Series 2019E Notes, amounts available for payment of subordinated indebtedness in accordance with the Resolution. The Series 2019E Notes are not secured by any other funds, accounts or amounts that are pledged to the payment of Obligations or Parity Debt issued under the Resolution. MTA has no taxing power and the Series 2019E Notes are not debt of the State or of any other political subdivision thereof.

4. MTA, the holders of the Series 2019E Notes, or the holders of any evidence of indebtedness of MTA do not and will not have a pledge or lien on (i) the dedicated mass transportation trust fund established by Section 89-c of the State Finance Law, (ii) the metropolitan transportation authority financial assistance fund established by Section 92-ff of the State Finance Law, (iii) the metropolitan mass transportation operating assistance account established in the mass transit operating assistance fund pursuant to Section 88-a of the State Finance Law, or (iv) the taxes or moneys deposited therein.

5. The Series 2019E Notes are securities in which all public officers and bodies of the State and all municipalities and political subdivisions, all insurance companies and associations and other persons carrying on an insurance business, all banks, bankers, trust companies, savings banks and savings associations, including savings and loan associations, building and loan associations, investment companies and other persons carrying on a banking business, all administrators, guardians, executors, trustees and other fiduciaries, and all other persons who are or may be authorized to invest in bonds or other obligations of the State, may properly and legally invest funds including capital in their control or belonging to them to the extent that the legality of such investment is governed by the laws of the State; and which may be deposited with and shall be received by all public officers and bodies of the State and all municipalities and political subdivisions for any purpose for which the deposit of bonds or other obligations of the State is or may be authorized.

6. Under existing statutes and court decisions, interest on the Series 2019E Notes (i) is excluded from gross income for federal income tax purposes pursuant to Section 103 of the Code, and (ii) is not treated as a preference item in calculating the alternative minimum tax under the Code.

7. Under existing statutes, interest on the Series 2019E Notes is exempt from personal income taxes imposed by the State or any political subdivision thereof, including The City of New York.

The opinions expressed in paragraphs 2 and 3 above are subject to applicable bankruptcy, insolvency, receivership, reorganization, arrangements, fraudulent conveyances, moratorium and other laws heretofore or hereafter enacted affecting creditors' rights and are subject to the application of principles of equity relating to or affecting the enforcement of contractual obligations, whether such enforcement is considered in a proceeding in equity or at law.

Except as stated in paragraphs 6 and 7, we express no opinion regarding any other federal, state, local or foreign tax consequences related to the ownership or disposition of, or the accrual or receipt of interest on, the Series 2019E Notes. We express no opinion regarding the federal, state, local or foreign tax consequences of any action hereafter taken or not taken in reliance upon an opinion of other counsel with respect to the Series 2019E Notes.

We express no opinion as to the accuracy or sufficiency of any financial or other information which has been or will be supplied to purchasers of the Series 2019E Notes. Our services did not include financial or other non-legal advice. Finally, we undertake no responsibility for the accuracy, completeness or fairness of the Offering Memorandum or other offering material relating to the Series 2019E Notes and express no opinion with respect thereto.

This opinion letter is rendered solely with regard to the matters expressly opined on above and does not consider or extend to any documents, agreements, representations or other material of any kind not specifically opined on above. No other opinions are intended nor should they be inferred. This opinion letter is issued as of the date hereof, and we assume no obligation to update, revise or supplement this opinion letter to reflect any future actions, facts or circumstances that may hereafter come to our attention, or any changes in law, or in interpretations thereof, that may hereafter occur, or for any reason whatsoever.

Very truly yours,

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ATTACHMENT 4

SUPPLEMENT TO ADS, DATED OCTOBER 3, 2019

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MTA ANNUAL DISCLOSURE STATEMENT SUPPLEMENT
October 3, 2019

This Metropolitan Transportation Authority (“MTA”) Annual Disclosure Statement Supplement (the “Supplement”) is dated October 3, 2019, supplements the information contained in the Annual Disclosure Statement (the “ADS”) dated April 30, 2019, as supplemented on June 26, 2019, and as updated by a First Quarterly Update, dated August 2, 2019, and contains information only through its date. Terms not otherwise defined in this Supplement have the meanings set forth in the ADS, as previously supplemented. MTA expects to file this Supplement with the Municipal Securities Rulemaking Board on its Electronic Municipal Market Access system and may incorporate such information herein by specific cross-reference. No statement on MTA’s website or any other website is included by specific cross-reference herein. The information in this Supplement is accurate as of its respective date. MTA retains the right to update and supplement specific information contained herein as events warrant.

The factors affecting MTA’s financial condition are complex. This Supplement contains forecasts, projections, and estimates that are based on expectations and assumptions, which existed at the time they were prepared and contains statements relating to future results and economic performance that are “forward-looking statements” as defined in the Private Securities Litigation Reform Act of 1995. Such statements generally are identifiable by the terminology used, such as “plan,” “expect,” “estimate,” “budget,” “project,” “forecast,” “anticipate” or other similar words. The forward looking statements contained herein are based on MTA’s expectations and are necessarily dependent upon assumptions, estimates and data that it believes are reasonable as of the date made but that may be incorrect, incomplete, imprecise or not reflective of future actual results. Forecasts, projections and estimates are not intended as representations of fact or guarantees of results. The achievement of certain results or other expectations contained in such forward-looking statements involves known and unknown risks, uncertainties and other factors that may cause actual results, performance or achievements described to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. Except as set forth in the preceding paragraph, MTA does not plan to issue any updates or revisions to those forward-looking statements if or when its expectations change or events occur that change the conditions or circumstances on which such statements are based. These forward-looking statements speak only as of the date of this Supplement.

MTA Proposed \$51.5 Billion 2020-2024 Capital Plan Together with Certain Amendments to 2010-2014 Capital Program and the 2015-2019 Capital Program

On September 16, 2019, MTA management released its proposed 2020-2024 Capital Plan (“Proposed 2020-2024 Capital Plan” or “Plan”). The MTA Board approved the 2020-2024 Capital Plan on September 25, 2019, and if approved by the MTA Capital Program Review Board (“CPRB”), the Plan would authorize new capital spending of \$40 billion for MTA New York City Transit, \$10.4 billion for MTA Long Island Rail Road and MTA Metro-North Railroad. The Plan was submitted to the CPRB on October 1, 2019. The \$3.3 billion plan for MTA Bridges & Tunnels improvements is approved and is not subject to CPRB approval.

The Proposed 2020-2024 Capital Plan (exclusive of MTA Bridges & Tunnels), if approved and implemented, would invest \$51.5 billion in the region’s subways, buses and railroads, building on the progress of the Subway Action Plan, and create a faster, more accessible, and more reliable public transportation system. The proposed level of investment is the highest in the MTA’s history, increasing spending on infrastructure by 70% over current levels.

The Plan proposes to invest more than \$40 billion in MTA New York City Transit’s subways and buses alone. Highlights of the proposal include:

MTA New York City Transit/Subways (\$37.3 billion). The Plan would modernize the subways by adding capacity, increasing reliability, and accelerating accessibility. The program includes full funding for Phase 2 of the Second Avenue Subway from a mixture of federal and MTA sources. System-wide priority initiatives funded by the Plan include signal modernization, new subway cars, station accessibility, station improvements, and track replacement.

- *Signal Modernization (\$7.1 billion).* This project is expected to make service more frequent and reliable. It would directly benefit six subway lines, including the Lexington Avenue Line, serving more than 50% of MTA New York City Transit subway patrons.
- *Subway Cars (\$6.1 billion).* 1,900 new subway cars would join the subway car fleet, modernizing the customer environment and improving mechanical reliability.
- *Station Accessibility (\$5.2 billion).* 70 stations would be made accessible in accordance with the Americans with Disabilities Act so that no customer would be more than two stations away from an accessible station; stations serving over 60% of passengers would be accessible. Four of these stations would be accelerated into the current 2015-2019 Capital Plan.
- *Station Improvements (\$4.1 billion).* MTA would perform renewal work addressing components in need of critical repair at about 175 stations, including replacement of 78 elevators and 65 escalators.

- *Track Upgrades (\$2.6 billion)*. MTA New York City Transit would replace 60 miles of track and install 20 miles of continuous welded rail, to create a quieter ride and with fewer broken rails.
- *Second Avenue Subway Phase 2 (\$4.55 billion)*. The Plan includes the net major component of the Second Avenue Subway project, which would be financed with approximately 50% federal funds and 50% MTA resources. The MTA would build three new fully accessible stations serving 300,000 daily riders across the Second Avenue Subway line, and a new connection with MTA Metro-North Railroad.

MTA Bus (\$3.5 billion). The Plan includes more than 2,400 new buses, depot improvements and customer experience upgrades. It accelerates the transition to a fleet composed fully of zero-emissions electric buses.

- *Replacement and Additional Buses (\$2.5 billion)*. MTA would replace more than 2,200 of the oldest buses, including with electric, hybrid and compressed natural gas buses, and expand the fleet size by more than 175 buses. MTA proposes investing \$1.1 billion to modify depots for electric bus operations, and to purchase 500 electric buses, including replacement buses and some additional buses. The program will enable MTA to acquire only electric buses beginning in 2029.
- *Customer Experience Improvements (\$109 million)*. MTA Bus would accelerate the rollout of on-board digital information screens to provide real-time service information, add bus lane cameras that improve traffic enforcement, and add equipment for traffic signal priority.

Highlights of the Proposed 2020-2024 Capital Plan for the MTA's commuter railroads include:

MTA Long Island Rail Road (\$5.7 billion). The Proposed 2020-2024 Capital Plan would make the investments necessary to enable a transformation of the MTA Long Island Rail Road by the planned December 2022 opening of East Side Access and Main Line Expansion. East Side Access will allow more than 160,000 daily customers to travel to Grand Central Terminal, saving commuters up to 40 minutes per day. Main Line Expansion will add a third track on 10 miles of the Main Line corridor, used by 40% of MTA Long Island Rail Road customers. Priority investments in the Plan include track, station improvements, signals and switches, and rolling stock.

- *Track Upgrades (\$1 billion)*. MTA Long Island Rail Road would install concrete ties and continuous welded rail to increase durability, reliability and customer comfort. The railroad will upgrade and reconfigure infrastructure at Jamaica to improve reliability, which is expected to bring more than 90% of track assets to a state of good repair.
- *Station Accessibility and Improvements (\$910 million)*. MTA Long Island Rail Road would make seven additional stations accessible in accordance with the Americans with Disabilities Act; 93% of stations, serving 97% of customers, would be

accessible. MTA Long Island Rail Road would bring component work and upgrades benefitting up to half of all riders to more than 20 stations, including platform, elevator and escalator replacements.

- *Signals and Switches (\$364 million)*. In accordance with MTA Long Island Rail Road Forward Plan to accelerate infrastructure renewal and improve train reliability, MTA Long Island Rail Road would replace 32% of switches, 21% of track circuits and 11% of grade crossing equipment at the locations with highest maintenance needs. The railroad would upgrade signals and interlockings on three branches that are technologically obsolete.
- *Rolling Stock (\$487 million)*. The Plan calls for the purchase of 160 M9A new electric cars, expanding the fleet by 13%. Fleet growth allows for at least 25,000 more seats into Grand Central during the morning rush hour. MTA Long Island Rail Road would purchase nearly 20 coaches and more than 10 locomotives serving the railroad's non-electrified territory.

MTA Metro-North Railroad (\$4.7 billion in New York State). The Proposed 2020-2024 Capital Plan would advance New Haven Line access to Penn Station via four new stations in the Bronx, beginning reconstruction of the Grand Central Terminal train shed and Park Avenue tunnel and viaduct, replacement of MTA Metro-North Railroad fleet of M3 rail cars, improvement of stations, and preparations for capacity improvements on the Harlem Line and Port Jervis Line. It also includes additional funding for the Penn Access project, by creating a MTA Metro-North Railroad connection between the East Bronx and Penn Station.

- *Grand Central Terminal Train Shed and Park Avenue Tunnel and Viaduct (\$895 million)*. MTA Metro-North Railroad will pursue Phase 1 of the replacement of the over 100 year old structures used by more than 700 trains per day and 83% of customers, and will build four new emergency exits. The Grand Central train shed is 75 acres under east Midtown, and the Park Avenue viaduct is 1.8 miles long, from 97th Street to the Harlem River.
- *Stations Accessibility and Improvements (\$621 million)*. MTA Metro-North Railroad would add accessibility improvements at up to four stations, bringing wheelchair access to 78% of stations serving 93% of customers, renew stations on the Harlem Line in the Bronx and southern Westchester County, and make priority component repairs at stations on the upper Hudson Line and upper Harlem Line.
- *Rolling Stock (\$485 million)*. The railroad would initiate replacement of 140 M3 electric cars. New electric cars are expected to improve mechanical reliability of the fleet.
- *West of Hudson Improvements (\$187 million)*. The railroad will pursue the phased construction of core infrastructure needed to allow reverse-peak and better off-peak service, including state-of-good-repair needs, to support the anticipated future increase in daily service.

- *Harlem Line Capacity Improvements (\$184 million).* The Plan would progress infrastructure work to improve reliability and support a future third track on the Harlem Line, including building two new electrical substations, designing three more electrical substations, and relocating and expanding parking at Southeast Station to allow for future Brewster Yard expansion.

Highlights of the Proposed 2020-2024 Capital Plan for MTA Bridges and Tunnels include:

MTA Bridges and Tunnels (\$3.3 billion). The Plan would enable construction of the infrastructure needed for central business district tolling and would provide safety and traffic flow improvements to the MTA Bridges and Tunnels' crossings. The Plan is integrated with other regional transportation programs to build upon the transformative changes and benefits of system-wide cashless tolling, and the continuous bus/HOV lane connecting Staten Island to the Gowanus/Brooklyn-Queens Expressway bus/HOV lane implemented in the 2015-2019 Capital Plan.

- *Verrazzano-Narrows (\$1.1 billion).* MTA Bridges and Tunnels would rebuild Verrazzano-Narrows Bridge approach ramps; the non-standard left-hand exits would be modernized and reconfigured to right-hand exits. The Plan would fund the widening of two miles of the eastbound Belt Parkway.
- *RFK Bridge Upgrades (\$719 million).* MTA Bridges and Tunnels would rebuild the Randall's Island access ramps, and design a widening of the southbound FDR Drive between 125th Street and 116th Street and a new access ramp from the Bruckner Expressway to the RFK Bridge.
- *Throgs Neck Bridge Marine Protection (\$144 million).* New fender systems at the Throgs Neck Bridge's two towers would protect the bridge from accidental collisions related to marine traffic.
- *Henry Hudson Bridge Reconstruction (\$135 million).* Continuing reconstruction of the Henry Hudson Bridge, in combination with the implementation of cashless tolling, is expected to increase safety and reduce travel time for customers.
- *Tunnel Ventilation (\$58 million).* The Plan would allow for the rehabilitation of ventilation/service buildings at the Queens-Midtown Tunnel and the Hugh L. Carey Tunnel, and the design of water mist/fire suppression systems installation to improve safety.

MTA Bridges and Tunnels components of the Proposed 2020-2024 Capital Plan are not subject to approval by the CPRB and are not included in the \$51.5 billion Plan total above.

Paying for the Plan

The single largest proposed source of funds for the Plan – \$25 billion – would come from bonds backed by new revenue streams authorized in this year's State budget, including an

estimated \$15 billion from Central Business District Tolling that was passed by the Legislature and signed into law in April by Governor Cuomo as part of the State's Fiscal Year 2020 budget. MTA projects receiving \$10.68 billion from federal funding programs. Another estimated \$10 billion would come from bonds backed by newly established revenue sources dedicated to public transportation: a progressive tax on high-end real estate sales and a tax on internet transactions in the State. The State has pledged \$3 billion, subject to approval by the Legislature, and the City has been asked to pledge an equal amount. The remaining \$9.8 billion would come from MTA in the form of pay-as-you-go capital contributions and bonds backed by longstanding dedicated taxes, fares and revenues from existing toll revenue.

Transparency and Next Steps

The details of the projects included the Proposed 2020-2024 Capital Plan are available for review on MTA's website at <https://New.mta.info/2020CapitalProgram>.

The Proposed 2020-2024 Capital Plan was reviewed and approved by the MTA Board at its meeting on September 25, 2019 and was submitted on October 1, 2019 to the CPRB for consideration and approval, as required by State law.

Certain proposed amendments to the 2010-2014 Capital Program and the 2015-2019 Capital Program

Proposed 2010-2014 Capital Program Amendment. The proposed amendment to the 2010-2014 Capital Program would reduce the current size of the program by \$327 million from \$32.021 billion to \$31.704 billion. The principal changes are in the Security and Disaster Recovery and the MTA Capital Construction programs. Additional modest changes are also made to Related Entity Core Capital Programs. Overall, the proposed amendment reflects the update of project timing and cost estimates to reflect current assumptions and priorities.

Proposed 2015-2019 Capital Program Amendment. The proposed amendment to the 2015-2019 Capital Program would increase the current size of the program by \$643 million from \$33.270 billion to \$33.913 billion. The CPRB portion of the program would increase from \$30.334 billion to \$30.977 billion, and the MTA Bridges and Tunnels portion would remain unchanged at \$2.936 billion. Changes to the 2015-2019 Capital Program include the following: (a) addition of new projects reflecting new priorities and Board actions; (b) recognition of additional external funding, transfers from prior capital programs, and temporary interagency reallocation of funds reflecting relative timing needs; (c) updated project assumptions reflecting revised cost estimates and timing of ongoing projects; and (d) elements with 10% increases which require CPRB approval.

The proposed amendments to the 2010-2014 Capital Program and the 2015-2019 Capital Program were reviewed and approved by the MTA Board at its meeting on September 25, 2019 and were submitted to the CPRB on October 1, 2019 for consideration and approval, as required by State law.

THERE CAN BE NO ASSURANCE THAT THE PROPOSED MTA 2020-2024 CAPITAL PLAN OR THE PROPOSED AMENDMENTS TO THE 2010-2014 CAPITAL PROGRAM AND THE 2015-2019 CAPITAL PROGRAM WILL BE APPROVED, AS REQUIRED BY THE MTA

CAPITAL PROGRAM REVIEW BOARD, OR APPROVED WITHOUT CHANGES, WHICH COULD BE SUBSTANTIAL. CERTAIN OF THE PROPOSED FUNDING SOURCES NECESSARY TO PAY FOR THE PROPOSED CAPITAL EXPENSES, ARE SUBJECT TO OTHER APPROVALS, MARKET CONDITIONS IN THE MUNICIPAL MARKETS, AND FEDERAL AND STATE APPROPRIATIONS, AND CITY APPROVALS.

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