

**Rating Action: Moody's assigns Aa2 to NYC TFA Building Aid Revenue Bonds Fiscal 2019 Series S-1 and S-2; outlook stable**

---

12 Jul 2018

New York, July 12, 2018 -- Moody's Investors Service has assigned Aa2 ratings to the New York City Transitional Finance Authority's (TFA) approximately \$1.031 billion Building Aid Revenue Bonds, including \$500 million of Fiscal 2019 Series S-1 Tax-Exempt Bonds and S-2, which consist of \$419.285 million of Subseries S-2A Tax-Exempt Bonds and \$111.455 million of Subseries S-2B Taxable Bonds. The Series S-1 and S-2A will be sold via negotiated sale. The Series S-2B bonds will be sold via competitive bid on July 17. The outlook is stable.

**RATINGS RATIONALE**

The Aa2 rating is one notch below New York State's Aa1 general obligation rating and reflects the state's strong commitment to provide building aid payments to New York City (Aa2 stable), which assigns the payments to the TFA. The rating also reflects the subject-to-appropriation nature of the state aid payments securing the bonds, the state's constitutional mandate to fund education aid, a statutory framework that assigns the city's state building aid to the TFA, and non-impairment provisions.

**RATING OUTLOOK**

The bonds carry New York State's stable outlook. The outlook reflects the state's adequate liquidity, adequate combined formal and informal reserves, and continued control of spending growth. The outlook also reflects our expectation that the state will build on its improvements in fiscal management, close budget gaps largely with recurring solutions and contain its structural fiscal imbalance.

**FACTORS THAT COULD LEAD TO AN UPGRADE**

- Stronger protections for the pledged revenues
- State rating upgrade

**FACTORS THAT COULD LEAD TO A DOWNGRADE**

- Significant decrease in debt service coverage
- Failure to appropriate education aid payments
- State rating downgrade, which could be triggered by growing structural budget gaps and reliance on non-recurring resources for recurring expenses

**LEGAL SECURITY**

In 2006, the TFA enabling act was amended pursuant to the School Financing Act to alter state support for New York City's educational capital plan. The amended law authorizes the issuance of building aid revenue bonds of up to \$9.4 billion outstanding to finance educational facilities; \$7.944 billion of this authorization is currently outstanding, not including this issuance. Under the act, the city assigns to the TFA all of the state building aid payable to the city, under Section 3602.6 of the state education law.

Educational projects in New York City's education capital plan, including new construction, building additions, and rehabilitations, are eligible for state building aid. When a project goes into contract, the School Construction Authority submits it to the State Education Department (SED). The SED approval process establishes an "aidable cost" of the project and creates a 30-year amortization schedule. Once SED has approved the project, the state is statutorily required to provide a 30-year stream of building aid payments, subject to annual appropriation.

The stream of building aid payments is a function of both the aidable cost and the current funding ratio, and provides the security for the bonds. The SED determines the amount of confirmed building aid payable

annually by applying a building aid ratio to the amount of aidable debt service for the year. The base building aid ratio has varied in past years and could vary in future years. For New York City schools, it averaged 51% from 2005 to 2010. The ratio has generally drifted down since from 52.7% in fiscal 2007 when the BARBs program started, and the city projects it will be 44.7% in fiscal 2019.

The TFA issues Future Tax-Secured Bonds backed by city personal income and sales taxes. Future Tax-Secured Bonds issued prior to Series 07 S-1 have a senior claim on state building aid if tax revenues are insufficient to pay debt service. The risk of recourse to building aid to pay the senior claim is slim since the amount of pre-2007 bonds outstanding is a small portion (2.4%) of total tax-secured bonds outstanding and coverage of the tax-secured bonds by tax revenues is projected at 6.70 times in fiscal 2019.

The state has covenanted not to impair the rights of bondholders in any way. Although the state is able to vary the building aid ratio on a year-to-year basis, which alters the amount of confirmed building aid payable to the city, we believe that given the covenant the state is not likely to reduce its building aid payments below the amortization level initially calculated for each project, with the provision that the interest rate used in the calculation may be reset every 10 years.

Further supporting bondholder security is the fact that the state aid intercept provision of Section 99-B of the School Finance Law is available to these bonds. However, the 99-B program provides for post-default payment, with the state comptroller withholding education aid in amounts required to pay debt service if necessary, it does not add to the credit rating assigned to this transaction.

New York City's education aid is subject to certain competing claims, including those from holders of State of New York Municipal Bond Bank Agency Special School Purpose Revenue Bonds. These claims are minimal in amount. There are also contingent competing claims from the 99-B intercept post-default program, holders of New York City Education Construction Fund Revenue Bonds, and possible withholdings by the state if the city fails to provide certain educational services. Through a memorandum of understanding (MOU) between the city, the TFA, the State Education Department, and the New York State comptroller, the state comptroller has agreed to satisfy such competing claims from other school aid before state building aid. New York City has agreed to pay to the TFA any amounts of building aid that may be diverted for these claims.

The additional bonds test (ABT) requires 1.0 times coverage of outstanding state building aid appropriation bond debt service by confirmed building aid revenue in every year. This ABT does not rely on any future approval of New York City education capital projects or on the associated incremental building aid: it relies solely on approved projects for which the state has committed to provide a 30-year stream of building aid payments subject to annual appropriation.

Based on confirmed building aid through 2047, debt service on outstanding Building Aid Revenue Bonds and expected debt service on the current issuance of new money bonds, and without factoring in savings expected from lower debt service on the current issuance of refunding bonds, debt service coverage falls from 2.00 times in 2019 to 1.07 times in 2036, rises again and then falls to 1.07 times in 2047, the last year of the current maturity schedule. As New York City continues to add capital projects for education in the future, incremental associated building aid will be added, increasing coverage and providing more debt capacity.

Each year the state annually appropriates money to New York City to pay for educational needs of the city's students. A portion of this aid constitutes the state building aid. The state does not distinguish between the payment of education aid and building aid, making lump sum payments to the city. To secure the bonds and separate building aid from the rest of the education aid, the city, TFA, SED and the state comptroller entered into an MOU specifying procedures to determine the amount included in each general education aid payment that is attributable to state building aid. Prior to each general education aid payment, the TFA is required to calculate and certify to the SED, the comptroller and the state budget director the amount of the building aid payment payable to the TFA.

Additionally, a constitutional mandate to fund education supports the inclusion of appropriations for educational aid, including building aid, in the state's annual budget.

#### USE OF PROCEEDS

The proceeds of Series S-1 bonds will be used to fund certain capital needs of the New York City school system. The Series S-2A and S-2B bonds will be used to refund certain outstanding BARBs.

#### PROFILE

New York State is the 4th largest US state by population. Located in the Northeastern US, New York has a large and diverse economy with high per capita income at 121% of the US average and gross state product of \$1.547 trillion.

## METHODOLOGY

The principal methodology used in these ratings was Lease, Appropriation, Moral Obligation and Comparable Debt of US State and Local Governments published in July 2018. Please see the Rating Methodologies page on [www.moodys.com](http://www.moodys.com) for a copy of this methodology.

## REGULATORY DISCLOSURES

For ratings issued on a program, series or category/class of debt, this announcement provides certain regulatory disclosures in relation to each rating of a subsequently issued bond or note of the same series or category/class of debt or pursuant to a program for which the ratings are derived exclusively from existing ratings in accordance with Moody's rating practices. For ratings issued on a support provider, this announcement provides certain regulatory disclosures in relation to the credit rating action on the support provider and in relation to each particular credit rating action for securities that derive their credit ratings from the support provider's credit rating. For provisional ratings, this announcement provides certain regulatory disclosures in relation to the provisional rating assigned, and in relation to a definitive rating that may be assigned subsequent to the final issuance of the debt, in each case where the transaction structure and terms have not changed prior to the assignment of the definitive rating in a manner that would have affected the rating. For further information please see the ratings tab on the issuer/entity page for the respective issuer on [www.moodys.com](http://www.moodys.com).

Regulatory disclosures contained in this press release apply to the credit rating and, if applicable, the related rating outlook or rating review.

Please see [www.moodys.com](http://www.moodys.com) for any updates on changes to the lead rating analyst and to the Moody's legal entity that has issued the rating.

Please see the ratings tab on the issuer/entity page on [www.moodys.com](http://www.moodys.com) for additional regulatory disclosures for each credit rating.

Marcia Van Wagner  
Lead Analyst  
State Ratings  
Moody's Investors Service, Inc.  
7 World Trade Center  
250 Greenwich Street  
New York 10007  
US  
JOURNALISTS: 1 212 553 0376  
Client Service: 1 212 553 1653

Timothy Blake  
MANAGING DIRECTOR  
Municipal Supported Products  
JOURNALISTS: 1 212 553 0376  
Client Service: 1 212 553 1653

Releasing Office:  
Moody's Investors Service, Inc.  
250 Greenwich Street  
New York, NY 10007  
U.S.A  
JOURNALISTS: 1 212 553 0376  
Client Service: 1 212 553 1653

**MOODY'S**  
INVESTORS SERVICE

© 2018 Moody's Corporation, Moody's Investors Service, Inc., Moody's Analytics, Inc. and/or their licensors and affiliates (collectively, "MOODY'S"). All rights reserved.

**CREDIT RATINGS ISSUED BY MOODY'S INVESTORS SERVICE, INC. AND ITS RATINGS AFFILIATES ("MIS") ARE MOODY'S CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES, AND MOODY'S PUBLICATIONS MAY INCLUDE MOODY'S CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES. MOODY'S DEFINES CREDIT RISK AS THE RISK THAT AN ENTITY MAY NOT MEET ITS CONTRACTUAL, FINANCIAL OBLIGATIONS AS THEY COME DUE AND ANY ESTIMATED FINANCIAL LOSS IN THE EVENT OF DEFAULT. CREDIT RATINGS DO NOT ADDRESS ANY OTHER RISK, INCLUDING BUT NOT LIMITED TO: LIQUIDITY RISK, MARKET VALUE RISK, OR PRICE VOLATILITY. CREDIT RATINGS AND MOODY'S OPINIONS INCLUDED IN MOODY'S PUBLICATIONS ARE NOT STATEMENTS OF CURRENT OR HISTORICAL FACT. MOODY'S PUBLICATIONS MAY ALSO INCLUDE QUANTITATIVE MODEL-BASED ESTIMATES OF CREDIT RISK AND RELATED OPINIONS OR COMMENTARY PUBLISHED BY MOODY'S ANALYTICS, INC. CREDIT RATINGS AND MOODY'S PUBLICATIONS DO NOT CONSTITUTE OR PROVIDE INVESTMENT OR FINANCIAL ADVICE, AND CREDIT RATINGS AND MOODY'S PUBLICATIONS ARE NOT AND DO NOT PROVIDE RECOMMENDATIONS TO PURCHASE, SELL, OR HOLD PARTICULAR SECURITIES. NEITHER CREDIT RATINGS NOR MOODY'S PUBLICATIONS COMMENT ON THE SUITABILITY OF AN INVESTMENT FOR ANY PARTICULAR INVESTOR. MOODY'S ISSUES ITS CREDIT RATINGS AND PUBLISHES MOODY'S PUBLICATIONS WITH THE EXPECTATION AND UNDERSTANDING THAT EACH INVESTOR WILL, WITH DUE CARE, MAKE ITS OWN STUDY AND EVALUATION OF EACH SECURITY THAT IS UNDER CONSIDERATION FOR PURCHASE, HOLDING, OR SALE.**

MOODY'S CREDIT RATINGS AND MOODY'S PUBLICATIONS ARE NOT INTENDED FOR USE BY RETAIL INVESTORS AND IT WOULD BE RECKLESS AND INAPPROPRIATE FOR RETAIL INVESTORS TO USE MOODY'S CREDIT RATINGS OR MOODY'S PUBLICATIONS WHEN MAKING AN INVESTMENT DECISION. IF IN DOUBT YOU SHOULD CONTACT YOUR FINANCIAL OR OTHER PROFESSIONAL ADVISER.

ALL INFORMATION CONTAINED HEREIN IS PROTECTED BY LAW, INCLUDING BUT NOT LIMITED TO, COPYRIGHT LAW, AND NONE OF SUCH INFORMATION MAY BE COPIED OR OTHERWISE REPRODUCED, REPACKAGED, FURTHER TRANSMITTED, TRANSFERRED, DISSEMINATED, REDISTRIBUTED OR RESOLD, OR STORED FOR SUBSEQUENT USE FOR ANY SUCH PURPOSE, IN WHOLE OR IN PART, IN ANY FORM OR MANNER OR BY ANY MEANS WHATSOEVER, BY ANY PERSON WITHOUT MOODY'S PRIOR WRITTEN CONSENT.

CREDIT RATINGS AND MOODY'S PUBLICATIONS ARE NOT INTENDED FOR USE BY ANY PERSON AS A BENCHMARK AS THAT TERM IS DEFINED FOR REGULATORY PURPOSES AND MUST NOT BE USED IN ANY WAY THAT COULD RESULT IN THEM BEING CONSIDERED A BENCHMARK.

All information contained herein is obtained by MOODY'S from sources believed by it to be accurate and reliable. Because of the possibility of human or mechanical error as well as other factors, however, all information contained herein is provided "AS IS" without warranty of any kind. MOODY'S adopts all necessary measures so that the information it uses in assigning a credit rating is of sufficient quality and from sources MOODY'S considers to be reliable including, when appropriate, independent third-party sources. However, MOODY'S is not an auditor and cannot in every instance independently verify or validate information received in the rating process or in preparing the Moody's publications.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability to any person or entity for any indirect, special, consequential, or incidental losses or damages whatsoever arising from or in connection with the information contained herein or the use of or inability to use any such information, even if MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers is advised in advance of the possibility of such losses or damages, including but not limited to: (a) any loss of present or prospective profits or (b) any loss or damage arising where the relevant financial instrument is not the subject of a particular credit rating assigned by MOODY'S.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability for any direct or compensatory losses or damages caused to any person or entity, including but not limited to by any negligence (but excluding fraud, willful misconduct or any other type of liability that, for the avoidance of doubt, by law cannot be excluded) on the part of, or any contingency within or beyond the control of, MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers, arising from or in connection with the information contained herein or the use of or inability to use any such information.

NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, TIMELINESS, COMPLETENESS, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF ANY SUCH RATING OR OTHER OPINION OR INFORMATION IS GIVEN OR MADE BY MOODY'S IN ANY FORM OR MANNER WHATSOEVER.

Moody's Investors Service, Inc., a wholly-owned credit rating agency subsidiary of Moody's Corporation ("MCO"), hereby discloses that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by Moody's Investors Service, Inc. have, prior to assignment of any rating, agreed to pay to Moody's Investors Service, Inc. for appraisal and rating services rendered by it fees ranging from \$1,500 to approximately \$2,500,000. MCO and MIS also maintain policies and procedures to address the independence of MIS's ratings and rating processes. Information regarding certain affiliations that may exist between directors of MCO and rated entities, and between entities who hold ratings from MIS and have also publicly reported to the SEC an ownership interest in MCO of more than 5%, is posted annually at [www.moodys.com](http://www.moodys.com) under the heading "Investor Relations — Corporate Governance — Director and Shareholder Affiliation Policy."

Additional terms for Australia only: Any publication into Australia of this document is pursuant to the Australian Financial Services License of MOODY'S affiliate, Moody's Investors Service Pty Limited ABN 61 003 399 657AFSL 336969 and/or Moody's Analytics Australia Pty Ltd ABN 94 105 136 972 AFSL 383569 (as applicable). This document is intended to be provided only to "wholesale clients" within the meaning of section 761G of the Corporations Act 2001. By continuing to access this document from within Australia, you represent to MOODY'S that you are, or are accessing the document as a representative of, a "wholesale client" and that neither you nor the entity you represent will directly or indirectly disseminate this document or its contents to "retail clients" within the meaning of section 761G of the Corporations Act 2001. MOODY'S credit rating is an opinion as to the creditworthiness of a debt obligation of the issuer, not on the equity securities of the issuer or any form of security that is available to retail investors. It would be reckless and inappropriate for retail investors to use MOODY'S credit ratings or publications when making an investment decision. If in doubt you should contact your financial or other professional adviser.

Additional terms for Japan only: Moody's Japan K.K. ("MJKK") is a wholly-owned credit rating agency subsidiary of Moody's Group Japan G.K., which is wholly-owned by Moody's Overseas Holdings Inc., a wholly-owned subsidiary of MCO. Moody's SF Japan K.K. ("MSFJ") is a wholly-owned credit rating agency subsidiary of MJKK. MSFJ is not a Nationally Recognized Statistical Rating Organization ("NRSRO"). Therefore, credit ratings assigned by MSFJ are Non-NRSRO Credit Ratings. Non-NRSRO Credit Ratings are assigned by an entity that is not a NRSRO and, consequently, the rated obligation will not qualify for certain types of treatment under U.S. laws. MJKK and MSFJ are credit rating agencies registered with the Japan Financial Services Agency and their registration numbers are FSA Commissioner (Ratings) No. 2 and 3 respectively.

MJKK or MSFJ (as applicable) hereby disclose that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by MJKK or MSFJ (as applicable) have, prior to assignment of any rating, agreed to pay to MJKK or MSFJ (as applicable) for appraisal and rating services rendered by it fees ranging from JPY200,000 to approximately JPY350,000,000.

MJKK and MSFJ also maintain policies and procedures to address Japanese regulatory requirements.