

Withdrawal of Credit Ratings - Policy

Issued by:	Moody's Compliance Department
Applicable to:	Moody's Ratings Employees and relevant Moody's Shared Services Employees supporting the Moody's Ratings ratings process
Scope:	Global excluding Japan
Last Revision Date:	01 Jul 2024

I. Background

Moody's Ratings withdraws its Credit Rating when it no longer rates an entity, debt or financial obligation, debt issuance program, preferred share or other financial instrument for which it previously assigned a rating. If appropriate and feasible, Credit Ratings will be adjusted before the withdrawal to reflect Moody's Ratings' current rating opinions. This Policy describes the various reasons that Moody's Ratings may withdraw a Credit Rating and how withdrawals are announced.

This Policy and accompanying procedure do not apply when a Credit Rating committee assigns a Credit Rating to an issuance whose sale is canceled by the Rated Entity without the Credit Rating ever having been published. Because the obligation does not exist, and the Credit Rating was never published, the Credit Rating does not need to be withdrawn.

II. Policy Requirements

A. Reasons That Moody's Ratings Might Withdraw a Credit Rating

Moody's Ratings may withdraw a Credit Rating for any of the following reasons:

- 1 Incorrect, insufficient or otherwise inadequate information: Moody's Ratings withdraws any Credit Rating if, in Moody's Ratings' opinion: (i) the information available to support the Credit Rating whether in terms of factual accuracy, quantity and/or quality is insufficient to effectively assess the creditworthiness of the Rated Entity or the obligation; and (ii) such information is unlikely to be available to Moody's Ratings in the near future.
- 2 Bankruptcy/Liquidation/Debt Restructuring/Write-down of a Structured Finance Security: if a Rated Entity defaults, enters bankruptcy, is liquidated, or restructures its debt, or if a structured finance security experiences a full or partial write-down that results in a



zero current balance, it may no longer be useful or necessary for Moody's Ratings to maintain a Credit Rating on that Rated Entity or that Rated Entity's obligations.

- 3 Reorganization: if a Rated Entity becomes the subject of a corporate reorganization or regulator-imposed restructuring, including a merger or acquisition, or enters into any other form of governmental administration, it may no longer be useful or necessary for Moody's Ratings to maintain a Credit Rating on that Rated Entity or that Rated Entity's obligations.
- 4 Methodological Thresholds for Certain Structured Finance Transactions: if the applicable Credit Rating Methodology states that Moody's Ratings will not maintain Credit Ratings in the event that aspects of the transaction cross specified thresholds, Moody's Ratings withdraws the Credit Rating. These thresholds generally are based on the following:
 - → Small Pool Factor: when the size of the asset pool supporting the transaction falls below a level specified in the applicable Credit Rating Methodology; and
 - → Non-Rated Asset Factor: when the principal balance of performing assets in the collateral pool without a Moody's Ratings Credit Rating, a credit estimate or a structured credit assessment exceeds a level specified in the applicable Credit Rating Methodology.
- Maturity of Obligation or Termination of Program: the Credit Rating on an obligation will be withdrawn when the obligation is not outstanding or the program has been terminated. This includes when a debt matures, when a debt is called, when a debt is repaid before the maturity date, when a Credit Rating on a debt or program is issued and published but the debt is ultimately not issued, or the program is not closed, and/or when a debt is otherwise redeemed by the Rated Entity. Because Moody's Ratings may not receive timely notification in the event where a debt is called, redeemed, repaid or otherwise terminated before its stated maturity date, Moody's Ratings will generally withdraw such ratings once it learns of the event of termination, using the current date as the date of the withdrawal. A rating withdrawal may also be appropriate as a result of amendments to the transaction terms of an obligation.
- 6 Business Reasons: under certain circumstances, Moody's Ratings withdraws a Credit Rating for a Rated Entity or an obligation for reasons unrelated to the situations identified above. When Moody's Ratings indicates that a Credit Rating was withdrawn for "business reasons," this generally refers to Moody's Ratings' business reasons, not the business reasons of the Rated Entity or obligor. A Credit Rating that is withdrawn to satisfy a Moody's Ratings regulatory obligation, other than one that is described in any of the other withdrawal reason categories described in this Section II.A, will be considered withdrawn for "business reasons." Moody's Ratings' business reasons do not reflect any concerns about the Rated Entity's creditworthiness or the quality of its management. Where appropriate, Moody's Ratings' decision to withdraw a rating under these circumstances will attempt to balance the informational benefit to market participants from maintaining a Credit Rating against the resources required to maintain and monitor that Credit Rating or other business considerations.
- **7 Shareholding**: Moody's Ratings will immediately assess whether there are grounds for withdrawing EU Credit Ratings or UK Credit Ratings when they relate to a 10% Shareholder or an Impacted Rated Entity.
- **8 Conflicts of Interest**: in any of the following cases, Moody's Ratings may determine that it is necessary to withdraw a Credit Rating, if:



- → a Moody's Ratings Employee who participates in the determination, approval or monitoring of a Credit Rating, or that employee's Family Member, had or has direct Ownership in the Rated Entity or in any Related Third Party at the time the Credit Rating was determined;
- → a Moody's Ratings Employee who either participated in the determination of the rating, the approval of the Credit Rating, or the monitoring of the Credit Rating, acted in violation of the Policy on the Separation of Rating Personnel from Commercial Activities and Information;
- → a Moody's Ratings Employee who either participated in the determination of the rating, the approval of the Credit Rating, or the monitoring of the Credit Rating, has had a relationship with the Rated Entity or a Related Third Party that constitutes a prohibited conflict of interest;
- → a Moody's Ratings Employee who either participated in the determination of the rating, the approval of the Credit Rating, or the monitoring of the Credit Rating, or his or her Family Member, received gifts, including entertainment, in violation of the Moody's Ratings Policy for Solicitation or Acceptance of Money, Gifts, Favors, or Entertainment; or
- either Moody's Ratings or an entity associated with Moody's Ratings made recommendations to the obligor or the Rated Entity, underwriter or sponsor of the security about the corporate or legal structure, assets, liabilities or activities of the obligor or Rated Entity of the security in violation of Moody's Ratings policies or procedures.
- 9 Public Point-In-Time Credit Ratings: to meet market needs in certain sectors, Moody's Ratings occasionally assigns a public Credit Rating on a "point-in-time" basis that is subsequently withdrawn as soon as practicable, before which it is subject to monitoring.
- 10 Provisional Rating: Moody's Ratings from time to time may assign a provisional rating when the rating committee has been able to assess the relevant risks of a transaction that has not yet issued into the market based on draft documentation. It is highly likely that the rating will become final after all documents are received or an obligation is issued into the market. To the extent it is anticipated that the transaction does not close in the near future, or that certain tranches of the transaction are not issued, the applicable provisional ratings will be withdrawn.
- 11 Clerical Error: Moody's Ratings withdraws a Credit Rating if it was assigned as the result of an internal clerical error.
- **12** Full Write-Down of Principal Balance (for Structured Finance transactions only): if the principal balance of a structured finance security is fully written down to zero because of credit loss recognitions, then Moody's Ratings withdraws the Credit Rating.
- 13 Granted Issuer Request: Where an issuer has requested that its Credit Rating be withdrawn, and Moody's Ratings has decided, following an analytical review of the request, that it will not endeavor, for analytical reasons, to maintain the Credit Rating, the requested withdrawal may be granted. Please note that no issuer has the right to demand that Moody's Ratings withdraw any Credit Rating and that all such requests will be granted solely at the discretion of Moody's Ratings.



The ultimate decision as to which of the withdrawal reasons described above is the most appropriate for any given withdrawal is an analytical decision that will be made by the Rating Group.

B. Credit Rating Announcements Regarding Withdrawal of Credit Ratings

When a Credit Rating is withdrawn, Moody's Ratings will issue an indication on www.ratings.moodys.com that the Credit Rating has been withdrawn and, depending on the reason for the withdrawal, may also issue a Credit Rating Announcement.

C. Questions

If you have questions about this Policy, please contact your Business Unit Compliance Office or Local Compliance Officer.

III. Related Documents

- → Policy for Solicitation or Acceptance of Money, Gifts, Favors, or Entertainment
- → Separation of Rating Personnel from Commercial Activities and Information Policy
- → Withdrawal of Credit Ratings Procedure

IV. Defined Terms

10% Shareholder means a Shareholder holding 10% or more of either the capital or the voting rights of Moody's Corporation, excluding holdings in diversified collective investment schemes and managed funds such as pension funds or life insurance, provided that the holdings in such schemes do not put the shareholder as referred above in a position to exercise significant influence on the business activities of those schemes.

Ancillary Services are those products and services that are not Credit Rating Services and which may include market forecasts, estimates of economic trends, pricing analysis or other general data analysis as well as related distribution services.

Anticipated Ratings Process is the process by which a provisional notation may be removed from a Credit Rating assigned to an instrument or issuer, when the applicable contingencies which were the basis for affixing the (P) notation are deemed to have been fulfilled. For example, when a rating of (P) Baa1 is assigned to a debt instrument, it is anticipated that the (P) notation will be removed from the Baa1 rating when it is determined that the contingencies indicated by the (P) notation have been fulfilled.

Credit Rating means an opinion from a Moody's credit rating agency regarding the creditworthiness of an entity, a debt or financial obligation, debt security, preferred share or other financial instrument, or of an issuer of such a debt or financial obligation, debt security, preferred share or other financial instrument, issued using an established and defined ranking system of rating categories.

Credit Rating Action means any one of the items below:



- → the assignment of a Credit Rating to a Rated Entity or obligation, including Credit Ratings assigned in the Subsequent Ratings Process;
- → the removal of a provisional notation from a Credit Rating when applicable contingencies are deemed to have been fulfilled in the Anticipated Ratings Process;
- → a change in a Credit Rating (i.e., upgrade or downgrade);
- → placing a Credit Rating on Review, changing the direction of an existing Review or taking a Credit Rating off Review (i.e., Credit Rating Confirmation);
- → the assignment or change in an Outlook associated with a Rated Entity or one or more Credit Ratings;
- → an Affirmation of a Credit Rating; and
- → a Withdrawal of a Credit Rating.

Credit Rating Announcement means a written communication that may be used to announce the publication of a Credit Rating Action related to public Credit Ratings, Unpublished Monitored Loan Ratings or Unpublished Monitored Private Placement Ratings. Moody's Ratings may also publish Credit Rating Action related to public Credit Ratings on www.ratings.moodys.com that is not accompanied by Credit Rating Announcement.

Credit Rating Methodology is defined in Moody's Ratings' Rating Symbols and Definitions publication.

Credit Rating Services are those products and services offered with respect to Credit Ratings and, if applicable the related rating Outlook or rating Review. Credit Rating Services specifically exclude all Ancillary Services or Other Permissible Services.

Electronic Platform means the private web-based electronic platform designated by Moody's Ratings for certain communications to appropriate recipients relating to Moody's Ratings' provision of private and/or unpublished products and services, such as Unpublished Monitored Loan Ratings and Unpublished Monitored Private Placement Ratings.

Employee means any full-time or part-time employee of Moody's Corporation or any of its whollyowned subsidiaries, wherever located.

EU Credit Rating means a Credit Rating assigned by a Moody's Ratings entity registered as a credit rating agency in the EU and where the Lead Rating Analyst is located in the EU.

EU Rated Entity means an entity with an EU Credit Rating.

Family Member means any of the following:

- → an Employee's spouse or domestic partner;
- → a person with whom an Employee cohabits (such as a shared living arrangement where the relationship is more that casual), whether or not they share financial responsibilities. This would not include typical roommate living arrangement;
- → an Employee's minor or dependent children;
- → any other relative sharing the same household as the Employee;
- → any persons who do not live in the same household as the Employee but whose Trades in Securities are directed by or are subject to the Employee's influence or control (either direct



or indirect) (such as parents or children living in separate households who consult with the Employee before they Trade); and

→ any other natural or legal person, trust, entity or partnership (other than blind trusts, as defined in the Securities Trading Policy) whose managerial responsibilities are discharged by, that is set up for the benefit of, that is directly or indirectly controlled by, or whose economic interests are substantially equivalent to, the Employee or any Family Member.

Impacted Rated Entity means an EU Rated Entity in which a 10% Shareholder: (i) holds 10% or more of either the capital or voting rights or any other ownership interest of the relevant EU Rated Entity, or a Related Third Party, excluding holdings in diversified collective investment schemes and managed funds such as pension funds or life insurance; or (ii) is a member of its or a Related Third Party's administrative or supervisory board.

Issuer is any entity by which a Security has been issued, guaranteed, or by which the credit underlying a Security has been otherwise supported. The term Issuer also includes the corporate parent or majority-owned subsidiary of an Issuer.

Lead Rating Analyst, Lead Analyst, or Lead is the Moody's Ratings Employee who is currently assigned the primary responsibility for assigning or monitoring a given Rating and, if applicable, the related rating Outlook or rating Review.

MA refers to Moody's Analytics, Inc. and the wholly-owned subsidiaries of MCO that engage in non-rating commercial activities.

MCO refers to Moody's Corporation and its majority-owned affiliates.

Moody's Local (ML) refers to Moody's Local and its affiliates that issue Ratings under the "Moody's Local" brand name. A suffix will be added to specify each jurisdiction using the brand name.

Moody's Ratings refers to all of the MCO entities that issue Ratings under the "Moody's Ratings" brand name, including Moody's Investors Service, Inc.

Moody's Ratings Employee means any full-time or part-time employee of Moody's Ratings.

Moody's Shared Services (MSS) refers to Moody's Shared Services, Inc. and the other companies within the Moody's group of companies that provide shared services.

Moody's Shared Services Employee means any full-time or part-time employee of Moody's Shared Services, Inc. or any other wholly-owned subsidiary of MCO that provides services to MCO, Moody's Ratings, ML and MA, including but not limited to Employees in the following functions: Legal, Compliance, Government and Public Affairs, Finance, Information Technology, and Human Resources.

Other Permissible Services are those products and services identified in the Rating Symbols and Definitions publication that are not Credit Rating Services or Ancillary Services.

Outlook means an opinion regarding the likely direction of an Issuer's rating over the medium term, as further described in the Rating Symbols and Definition publication of Moody's credit rating agencies.

Own, Owning and Ownership refer to all methods by which an Employee or Family Member may possess an interest in a Security or an account with a financial services institution, including direct ownership and beneficial ownership (i.e., sole or shared dispositive or voting power over a security).



Rated Entity means any entity rated by Moody's credit rating agency or any entity that issues securities rated by Moody's credit rating agency or any entity that is seeking a Credit Rating from Moody's credit rating agency.

Rating is any rating or assessment with respect to Credit Rating Services, Ancillary Services, and Other Permissible Services.

Related Third Party means any party (including the originator, arranger, sponsor, servicer, or other party) that interacts with Moody's on behalf of a Rated Entity in connection with a Credit Rating Action for such Rated Entity, including any person directly or indirectly linked to that Rated Entity by control.

Review means an indication that a rating is under consideration for a change in the near term, as further described in Moody's Ratings' Rating Symbols and Definitions publication of Moody's credit rating agencies.

Security is any non-deposit financial instrument that is, or is derived from, any equity or fixed-income security. This includes, but is not limited to: stocks, bonds, debentures, options, equity securities, convertible securities, warrants, derivative instruments (including swaps, commodities and futures based on or linked to equity or fixed income securities), notes, collective investment schemes, fixed annuities, variable annuities, open- or closed-end mutual funds, exchange-traded funds and unit investment trusts.

Shareholder means a direct or indirect owner of Moody's Corporation stock.

Subsequent Ratings Process means the process of assigning Credit Ratings (together with the associated outlook or review status, if applicable) that are derived exclusively by reference to an existing Credit Rating of a program, series category/class of debt or primary Rated Entity. This includes:

- → Assignment of a Credit Rating to issuance of debt within or under an existing rated program where the transaction structure and terms have not changed in a manner that would affect the Credit Rating indicated by the program rating (examples include covered bond programs, shelf registrations, and medium term note programs);
- → Credit Ratings assigned based on the pass-through of a primary Rated Entity's Credit Rating, including monoline or guarantee linked ratings; or
- → Assignment of Credit Ratings to debt instruments of the same seniority as previously rated debt when such issuance of debt is contemplated in the existing Credit Ratings. Examples include ratings on debt issued by frequent corporate and government issuers. This also includes Credit Ratings assigned to new debts, new programs or amended and extended credit facilities by reference to an existing rating of the same debt class, at the same rating level, whether or not the new debts or programs replace similarly structured debts, programs or credit facilities.

Trade refers to any transaction by which a person acquires or divests himself/herself from an interest or position in a Security, including but not limited to purchases, sales, repurchase agreements, short sales, spread betting (and other forms of gambling on Securities) and entering into derivative transactions, including put options, calls and equity swaps as well as liquidating such derivative positions through purchase, sale or exercise.

UK Credit Rating means a Credit Rating assigned by a Moody's Ratings entity registered as a credit rating agency in the UK and where the Lead Rating Analyst is located in the UK.





UK Rated Entity means an entity with a UK Credit Rating.

Unpublished Monitored Loan Rating (UMLR) is a monitored Credit Rating of a loan or loans (or individual facilities within the same loan or loans) made to the Rated Entity which is distributed via an Electronic Platform.

Unpublished Monitored Private Placement Rating (UMPPR) is a monitored Credit Rating of a private placement of a Rated Entity which is distributed via an Electronic Platform to the recipients designated by the Rated Entity.

Compliance



© 2024 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 CREDIT RATINGS AFFILIATES ARE THEIR CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES, AND MATERIALS, PRODUCTS, SERVICES AND INFORMATION PUBLISHED OR OTHERWISE MADE AVAILABLE BY MOODY'S (COLLECTIVELY, "MATERIALS") MAY INCLUDE SUCH CURRENT OPINIONS. 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 OR IMPAIRMENT. SEE APPLICABLE MOODY'S RATING SYMBOLS AND DEFINITIONS PUBLICATION FOR INFORMATION ON THE TYPES OF CONTRACTUAL FINANCIAL OBLIGATIONS ADDRESSED BY MOODY'S CREDIT RATINGS. CREDIT RATINGS DO NOT ADDRESS ANY OTHER RISK, INCLUDING BUT NOT LIMITED TO: LIQUIDITY RISK, MARKET VALUE RISK, OR PRICE VOLATILITY. CREDIT RATINGS, NON-CREDIT ASSESSMENTS ("ASSESSMENTS"), AND OTHER OPINIONS INCLUDED IN MOODY'S MATERIALS ARE NOT STATEMENTS OF CURRENT OR HISTORICAL FACT. MOODY'S MATERIALS MAY ALSO INCLUDE QUANTITATIVE MODEL-BASED ESTIMATES OF CREDIT RISK AND RELATED OPINIONS OR COMMENTARY PUBLISHED BY MOODY'S ANALYTICS, INC. AND/OR ITS AFFILIATES. MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND MATERIALS DO NOT CONSTITUTE OR PROVIDE INVESTMENT OR FINANCIAL ADVICE, AND MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND MATERIALS ARE NOT AND DO NOT PROVIDE RECOMMENDATIONS TO PURCHASE, SELL, OR HOLD PARTICULAR SECURITIES. MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND MATERIALS DO NOT COMMENT ON THE SUITABILITY OF AN INVESTMENT FOR ANY PARTICULAR SECURITIES. MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND DATERIALS DO NOT COMMENT ON THE SUITABILITY OF AN INVESTMENT FOR ANY PARTICULAR INVESTOR. MOODY'S ISSUES ITS CREDIT RATINGS, ASSESSMENTS AND OTHER OPINIONS AND PUBLISHES OR OTHERWISE MAKES AVAILABLE ITS MATERIALS WITH THE EXPECTATION AND UNDERSTANDING THAT EACH INVESTOR WILL, WITH DUE CARE, MAKE ITS OWN STUDY AND EVALUATION OF FEACH SECURITY THAT IS UNDER CONSIDERATION

MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS, AND MATERIALS ARE NOT INTENDED FOR USE BY RETAIL INVESTORS AND IT WOULD BE RECKLESS AND INAPPROPRIATE FOR RETAIL INVESTORS TO USE MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS OR MATERIALS 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. FOR CLARITY, NO INFORMATION CONTAINED HEREIN MAY BE USED TO DEVELOP, IMPROVE, TRAIN OR RETRAIN ANY SOFTWARE PROGRAM OR DATABASE, INCLUDING, BUT NOT LIMITED TO, FOR ANY ARTIFICIAL INTELLIGENCE, MACHINE LEARNING OR NATURAL LANGUAGE PROCESSING SOFTWARE, ALGORITHM, METHODOLOGY AND/OR MODEL.

MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND MATERIALS 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 credit rating process or in preparing its Materials.

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 CREDIT RATING, ASSESSMENT. 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 credit rating, agreed to pay to Moody's Investors Service, Inc. for credit ratings opinions and services rendered by it. MCO and Moody's Investors Service also maintain policies and procedures to address the independence of Moody's Investors Service credit ratings and credit ratings processes. Information regarding certain affiliations that may exist between directors of MCO and rated entities, and between entities who hold credit ratings from Moody's Investors Service, Inc. and have also publicly reported to the SEC an ownership interest in MCO of more than 5%, is posted annually at www.moodys.com under the heading "Investor Relations — Corporate Governance — Charter Documents - Director and Shareholder Affiliation Policy."

Moody's SF Japan K.K., Moody's Local AR Agente de Calificación de Riesgo S.A., Moody's Local BR Agência de Classificação de Risco LTDA, Moody's Local MX S.A. de C.V, I.C.V., Moody's Local PE Clasificadora de Riesgo S.A., and Moody's Local PA Calificadora de Riesgo S.A. (collectively, the "Moody's Non-NRSRO CRAs") are all indirectly wholly-owned credit rating agency subsidiaries of MCO. None of the Moody's Non-NRSRO CRAs is a Nationally Recognized Statistical Rating Organization.

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.

Additional terms for India only: Moody's credit ratings, Assessments, other opinions and Materials are not intended to be and shall not be relied upon or used by any users located in India in relation to securities listed or proposed to be listed on Indian stock exchanges.

Additional terms with respect to Second Party Opinions (as defined in Moody's Investors Service Rating Symbols and Definitions): Please note that a Second Party Opinion ("SPO") is not a "credit rating". The issuance of SPOs is not a regulated activity in many jurisdictions, including Singapore. JAPAN: In Japan, development and provision of SPOs fall under the category of "Ancillary Businesses", not "Credit Rating Business" and Exchange Act of Japan and its relevant regulation. PRC: Any SPO: (1) does not constitute a PRC Green Bond Assessment as defined under any relevant PRC laws or regulations; (2) cannot be included in any registration statement, offering circular, prospectus or any other documents submitted to the PRC regulatory authorities or otherwise used to satisfy any PRC regulatory disclosure requirement; and (3) cannot be used within the PRC for any regulatory purpose or for any other purpose which is not permitted under relevant PRC laws or regulations. For the purposes of this disclaimer, "PRC" refers to the mainland of the People's Republic of China, excluding Hong Kong, Macau and Taiwan.