MOODY'S INVESTORS SERVICE

CREDIT OPINION

12 April 2024

Update



RATINGS

3i Group pl	С
-------------	---

Domicile	London, United Kingdom
Long Term CRR	Not Assigned
Long Term Issuer Rating	Baa1
Туре	LT Issuer Rating
Outlook	Stable

Please see the <u>ratings section</u> at the end of this report for more information. The ratings and outlook shown reflect information as of the publication date.

Contacts

Alexandra Aspioti VP-Senior Analyst alexandra.aspioti@moody	+44.20.7772.5315 rs.com
Simone Galimberti Ratings Associate simone.galimberti@mood	+33.1.5330.3417 ys.com
Vanessa Robert VP-Sr Credit Officer - Finar vanessa.robert@moodys.c	

Robert M. Callagy +1.212.553.4374 AMD - Financial Institutions robert.callagy@moodys.com

3i Group plc

Update following rating affirmation

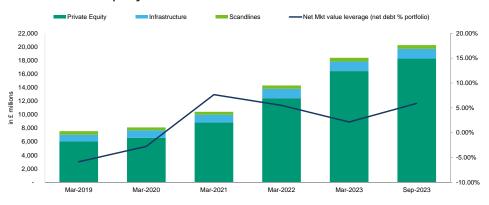
Summary

<u>3i Group plc</u>'s (3i) Baa1 long-term issuer and senior unsecured debt ratings are supported by the firm's conservative balance sheet and prudent liquidity management, low leverage, and proven track record of investment and asset management. These strengths are partly mitigated by the illiquid, non-investment grade, and concentrated nature of the portfolio. We expect the firm to maintain its disciplined investment process, which has thus far supported good value creation.

Overall, 3i's private equity and infrastructure portfolio has a track record of resilient performance through various cycles thanks to the group's conservative investment management and the structural growth trends that have supported its portfolio of companies, which have demonstrated their ability to adapt in a changing environment. However, some assets, notably its discretionary consumer portfolio, have been impacted by the more challenging market conditions.

Exhibit 1

The progression of 3i's proprietary investments reflects its disciplined investment approach and conservative financial policy



The financial data presented in this chart is taken from the Investment Basis financial statements. The Investment Basis is an alternative (non-GAAP) performance measure. Source: Company annual reports and Moody's Ratings

CLIENT SERVICES

Americas	1-212-553-1653
Asia Pacific	852-3551-3077
Japan	81-3-5408-4100
EMEA	44-20-7772-5454

Credit strengths

- » Well-established mid-market private equity franchise in Northern and Western Europe, and North America
- » Limited leverage; strong track record of asset management and investment realisations
- » Conservative financial policy and disciplined investment process, supporting solid profitability

Credit challenges

- » Non-investment grade portfolio companies
- » Concentrated and illiquid nature of investment portfolio
- » Sourcing investment opportunities and realizing investments against a background of economic uncertainty

Outlook

The stable outlook reflects our expectation that 3i's portfolio performance will remain resilient against a backdrop of a challenging operating environment. The stable outlook also reflects our expectation that 3i will maintain its strong balance sheet.

Factors that could lead to an upgrade

- » Continued track record of strong portfolio performance, coupled with increasing asset diversification
- » Further improvement in the credit quality of its core investments and/or better visibility in their financial policies
- » A material reduction in portfolio concentration
- » Strong operating cash generation on a sustained basis, derived from diversified sources

Factors that could lead to a downgrade

- » A significant increase in the group's leverage
- » A significant reduction in the firm's liquid resources
- » A material deterioration in the quality of the firm's investment portfolio and/or a further increase in portfolio concentration
- » A structural decline in recurrent cash inflows, materially reducing the firm's operating cash generation

This publication does not announce a credit rating action. For any credit ratings referenced in this publication, please see the issuer/deal page on https://ratings.moodys.com for the most updated credit rating action information and rating history.

Key indicators

Exhibit 2 **3i Group plc**

3i Group PLC [1]	Sep-23	Mar-23	Mar-22	Mar-21	Mar-20	Mar-19
Assets under Management	32.9	29.9	22.9	16.9	13.6	13.0
Investment Portfolio	19.3	17.4	13.4	9.9	7.4	6.8
Total Assets	19.6	17.8	13.9	10.3	8.6	8.7
Net MVL [2]	6.3%	3.7%	6.0%	8.1%	-2.0%	-6.0%
Asset Concentration [3]	68.9%	65.4%	56.5%	51.2%	47.7%	40.9%

[1] Financial years ending 31 March, GBP billion, based on IFRS accounts if not stated otherwise. Latest data as of 30 September 2023. [2] The Net MVL calculated based on the Investment basis was 5.9%. [3] Market Value of the three largest investments (excluding cash balances and considering 3iN's portfolio granularity) as a percentage of total portfolio market value (including cash balances), based on the Investment Basis financial statements.

Sources: Moody's Ratings and company filings

Profile

3i Group plc (3i) is a UK-headquartered investment trust company, which we assess under our <u>Investment Holding Companies</u> and <u>Conglomerates</u> rating methodology. Its two main businesses are Private Equity and Infrastructure, which are focused on core investment markets in Northern and Western Europe, and North America. The company's private equity business had a total of £25.7 billion in assets under management (AUM) as of 30 September 2023, of which £18.3 billion is proprietary capital. 3i invests in midmarket companies and typically takes majority positions. 3i's infrastructure business reached £6.6 billion of AUM as of September 2023. The Infrastructure business invests principally in midmarket economic infrastructure businesses in Europe and North America, as well as in greenfield and operational projects.¹

Detailed credit considerations

Clearly defined investment strategy and disciplined process support solid profitability levels

3i applies a consistent and well-defined approach to making investment and divestment decisions, supporting the company's profitability. We expect the firm to maintain its disciplined investment process, which has thus far supported good value creation and has proven successful in generating returns through the cycle.

3i often monitors businesses for lengthy periods before deciding to invest in them, and adheres closely to the criteria governing the size of its target companies and the sectors they operate in. The company targets mid- to high-teen rates of return in percentage terms over a typical period of four to five years. It focuses on businesses with an enterprise value of €100 million – €500 million operating in the business and technology services, consumer, healthcare and industrial sectors in Northern and Western Europe, and North America. It selects companies that can benefit from the long-term growth trends it has identified, and uses its extensive network of business leaders to identify and access opportunities. 3i's network and focus on middle-market transactions in niche business sectors have allowed the company to avoid more aggressive auction-driven acquisitions, which tend to be more expensive, reducing the expected return.

3i invests on its own account and on behalf of third parties. The company has increased its AUM across its two business lines in recent years, reflecting principally higher investment values. Despite the more challenging economic environment, 3i's private equity and infrastructure assets demonstrated good resilience in recent quarters. The company's AUM in private equity increased to £25.7 billion as at 30 September 2023 from £19.6 billion as at 30 September 2022, mainly thanks to unrealized value positive movements. AUM at 3i's infrastructure division rose to £6.6 billion from £5.9 billion over the same period. 3i's proprietary investments totaled £20.3 billion as at 30 September 2023 (30 September 2022: £16.4 billion).

In the first 9 months of the reporting year (ending in December 2023), 3i invested a total of £581 million (£397 million in FY2023, ending in March), largely in relation to its private equity portfolio. More specifically, 3i utilised £455 million (over half of the proceeds from Action's share redemption following its refinancing in November last year) to purchase additional shares in Action, which led to an increase in its equity stake in Action to 54.8% from 52.9%.

In the first 9 months of the reporting year, realisations stood at £845 million (£857 million in FY 2023), mostly driven by the proceeds following Action's refinancing. We expect 3 to continue to focus on maximising the value of its investments and to maintain a conservative

investment approach. Given the firm's structure, it is able to control the timing of investments and realisations without external pressure from third-party investors. This flexibility is credit positive.

3i private equity portfolio consists largely of speculative-grade investments, with about 71% of its investee companies (by value) holding net debt-to-EBITDA ratios of 1x-2x. Across the private equity portfolio average net leverage was 2.1x (see exhibit 3) as of 30 September 2023 (31 March 2023: 2.5x) or 3.8x excluding Action (31 March 2023: 4.0x); the portfolio benefits from a degree of covenant flexibility as well as hedges against interest rate risk. 3i's rigorous investment and asset management process to some extent offsets the risks related to the relatively high leverage of its portfolio, and its relatively high exposure to a small number of investee companies.

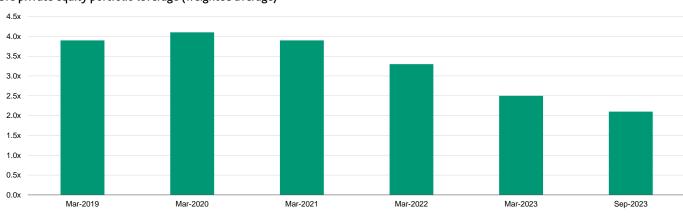


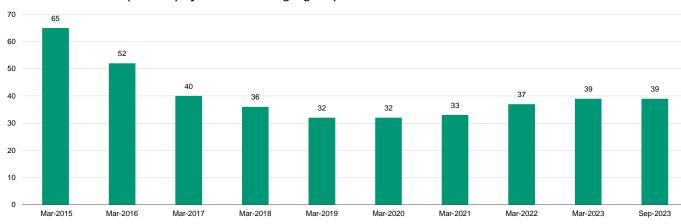
Exhibit 3
3i's private equity portfolio leverage (weighted average)

Source: Company annual reports and Moody's Ratings

3i's largest investment creates portfolio concentration risk

3i counted 39 private equity investments in September 2023 (see Exhibit 4). We expect that number to stay broadly stable, in line with the company's guidance. 3i has previously indicated that its desired number of investments is around 30-40, although availability of investment opportunities and changes in market conditions could cause it to diverge from this guidance.







Source: Company annual reports

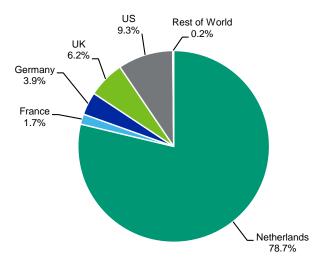
The portfolio displays concentration around its largest private equity investment, Action (<u>Peer Holding III B.V.</u>, Ba2 stable). Action is a leading European discount retailer and 3i values its 54.8% stake in it at £13.8 billion, corresponding to 65% of the group's total portfolio as at December 2023. We view asset concentration as a source of credit risk, notably considering Action's rating level.

However, we recognise that concentration has been largely driven by Action's exceptional performance. Action's positive track record, as evidenced by net sales and operating EBITDA CAGR of 22% and 29% respectively from 2018 to 2023, has boosted its valuation in recent years. Action's valuation growth outpaces that of other assets in the portfolio and, as a result, it now accounts for a larger portion of 3i's private equity portfolio. Action's robust performance is also illustrated by its ability to return capital to 3i; it has distributed approximately $\pounds 2.8$ billion to 3i since the firm's initial investment in 2011. 3i believes that Action's growth potential remains substantial and it outweighs the concentration risk it represents. We do not expect concentration to improve materially in the foreseeable future, as Action will likely remain a core investment of 3i's portfolio. Whilst we recognise that the increasing dividend contributions from Action have strengthened 3i's interest cover in recent years, a credit positive, we view the outsized exposure to a single, non-investment grade portfolio company as a constraining factor to 3i's rating.

In terms of the rest of the portfolio, the group's principal infrastructure investment, 3iN (3i Infrastructure plc), remains the second largest investment, representing 4% of the group's proprietary capital. 3i's third largest investment, Cirtec Medical- part of its healthcare portfolio- represented 3% of the total portfolio while the ferry operator, Scandlines, which 3i expects to hold longer than the average investment period for its private equity portfolio companies, is now the fourth-largest investment (3% of the portfolio). Scandlines and 3iN (3i Infrastructure plc) are core to the 3i portfolio as they generate consistent cash income, while retaining some growth potential.

Beyond Action, 3i's portfolio across private equity and infrastructure is well diversified by sector, given the firm's size and target market. The private equity portfolio is mostly exposed to Northern and Western Europe, and the US (see Exhibit 5).²

Exhibit 5 Geographic composition of 3i's private equity portfolio



Data as of September 2023 Source: Company annual reports

A conservative and consistent financial policy offsets the risks of a speculative-grade portfolio

3i has historically maintained large cash balances to support its business, including during periods of high market volatility. The company had a total of £666 million in cash and cash equivalents as of December 2023 (£412 million as of March 2023) largely held in highly rated money market funds. 3i's good liquidity, albeit reduced in recent years, gives the company some flexibility regarding its investment policy, and should allow it to withstand unexpected market shocks.

3i aims to maintain or grow the dividend each year. However, in setting the dividends, 3i intends to maintain a conservative financial approach. In addition, the dividend policy is subject to careful consideration of outlook for investments and realisations and market conditions.

Low leverage remains a key credit strength

We expect 3i to maintain low appetite for leverage, in line with its operating range of £1.0 billion net debt to £0.5 billion net cash, and with tolerance to operate outside of this range on a short term basis. 3i's outstanding reported gross debt was £1.2 billion as at 30 September 2023, up from the £775 million amount outstanding at FY2023, following the issuance in June 2023 of €500 million senior unsecured note. Its net market value-based leverage (MVL), on the Investment Basis, was 5.9%, which remains consistent with an Aaa score for the sub factor. Overall, we expect leverage to remain low, a key credit strength underpinning the rating level.

Interest cover improvements thanks to dividends from Action

In recent years, 3i's credit profile has benefitted from improvements in its interest cover (Funds from Operations (FFO) + Interest Expense/Interest Expense), which we expect to be sustained. In LTM ending September 2023, interest cover was at 9.4x (FY2023: 8.3x), which compares favorably to the weak levels of interest cover reported in previous years (hovering at around 2x for FY2019-FY2021).

3i aims to maintain an operating cash profit, which means that its business running costs are covered by cash income from the Group's portfolio and by fees received from managing external funds. The group has consistently met this target, even when excluding Action's dividends. We expect 3i to maintain a tight discipline in managing its operating expenses.

Liquidity analysis

Given its debt maturity profile, cash balances and access to credit facilities, liquidity remains a key credit strength. In addition to £666 million of cash as of December 2023 (£412 million as of March 2023), 3i benefits from an undrawn credit facility of £900 million, comprised of £500 million base facility maturing in March 2027 and an additional £400 million tranche maturing in November 2026.

The group reported total debt commitment of £1.2 billion as at September 2023, of which €500 million senior unsecured maturing in 2029, £375 million senior unsecured debt maturing in 2032 followed by £400 million maturing in 2040.

ESG considerations

3i Group plc's ESG credit impact score is CIS-2

Exhibit 6 ESG credit impact score

Source: Moody's Ratings

3i's **CIS-2** indicates that ESG considerations do not have a material impact on the current rating. 3i's solid governance, including its well-defined investment framework and risk management functions, mitigates some risks stemming from its exposure to demographic and societal trends as well as to environmental risks through its portfolio of investments.

Exhibit 7 ESG issuer profile scores



Source: Moody's Ratings

Environmental

3i faces moderate exposure to environmental risks, stemming from its portfolio of investments. While the Group primarily invests in sectors that have low exposure to environmental risk, its investment concentration to Action -which is a retail company- increases its exposure to carbon transition, in line with the retail sector. Overall, the risk is contained as the group has set out clear objectives in its responsible investment policy and is committed to investing in businesses that benefit from sustainable growth trends.

Social

3i faces moderate exposure to social risks. The Group invests in sectors that could benefit from structural trends, while adhering to strict investment criteria, taking into consideration ESG risks and opportunities. The Group's investments are tightly monitored and controlled by an efficient risk framework. 3i carries out detailed reviews of its portfolio of companies on a semi-annual basis and performs extensive reviews on ESG risks and opportunities on an annual basis. Although societal trends can present opportunities for 3i, its long-term investment horizon prevents the Group from quickly shifting its investment portfolio in case of unforeseen changes to consumer preferences. In addition, the Group's portfolio lacks the benefit of diversification, given the concentration around its largest private equity investment.

Governance

3i faces low governance risks. It displays solid corporate governance practices and has a long track record in operating within its risk appetite and under a robust risk framework. 3i's board is accountable for the long-term sustainable success of the company by approving the group's strategic objectives and monitoring its performance against those objectives. It has delegated the day-to-day management of the business to the CEO who regularly reports back to the board on financial and operational performance, risk management and progress in delivering the strategic objectives. Overall, the group follows a prudent and consistent financial policy.

ESG Issuer Profile Scores and Credit Impact Scores for the rated entity/transaction are available on Moodys.com. In order to view the latest scores, please click <u>here</u> to go to the landing page for the entity/transaction on MDC and view the ESG Scores section.

Rating methodology and scorecard factors

Exhibit 8

3i Group Plc				
Investment Holding Companies Industry Grid [1][2]	Current LTM 03/31/2023		Moody's 12-18 Month Forward View As of 03/31/2023[3]	
Factor 1 : Investment Strategy (10%)	Measure	Score	Measure	Score
a) Investment Strategy	Ва	Ba	Ba	Ba
Factor 2 : Asset Quality (40%)				
a) Asset Concentration	Саа	Саа	Саа	Caa
b) Geographic Diversity	Baa	Baa	Baa	Baa
:) Business Diversity	Baa	Baa	Baa	Baa
I) Investment Portfolio Transparency	Baa	Baa	Baa	Baa
Factor 3 : Financial Policy (10%)				
a) Financial Policy	А	А	А	А
actor 4 : Estimated Market Value-based Leverage (MVL) (20%)				
) Estimated Market Value-Based Leverage	Aaa	Aaa	Aaa	Aaa
Factor 5 : Debt Coverage and Liquidity (20%)				
a) (FFO + Interest Expense) / Interest Expense	8.3x	Aaa	9x-10x	Aaa
o) Liquidity	Aaa	Aaa	Aaa	Aaa
Rating:				
a) Indicated Rating from Grid		A3		A3
b) Actual Rating Assigned				Baa1

All ratios are based on 'Adjusted' financial data and incorporate Moody's Global Standard Adjustments for Non-Financial Corporations
 As of 03/31/2023
 This represents Moody's forward view; not the view of the issuer; and unless noted in the text, does not incorporate significant acquisitions and divestitures Sources: 3i Group, Moody's Ratings

Ratings

Exhibit 9

Category	Moody's Rating	
3I GROUP PLC		
Outlook	Stable	
Issuer Rating	Baa1	
Senior Unsecured	Baa1	
PEER HOLDING III B.V.		
Outlook	Stable	
Corporate Family Rating	Ba2	
Sr Sec Bank Credit Facility -Dom Curr	Ba2	
Source: Moody's Ratings		

Source: Moody's Ratings

Endnotes

- 1 The financial data presented in this paragraph is taken from the Investment Basis financial statements. The Investment Basis is an alternative (non-GAAP) performance measure.
- 2 The financial data presented in this paragraph is taken from the Investment Basis financial statements. The Investment Basis is an alternative (non-GAAP) performance measure.

© 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 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 EACH SECURITY THAT IS UNDER CONSIDERATION FOR PURCHASE, HOLDING, OR SALE.

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 rinability 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

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 rating 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 Investor Service, Inc. and have also publicly reported to the SEC an ownership interest in MCO of more than 5%, is posted annually at <u>www.moodys.com</u> 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 are not subject to the regulations applicable to "Credit Rating Business" under the Financial Instruments 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 purposes 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.

REPORT NUMBER 1402705

CLIENT SERVICES

Americas	1-212-553-1653
Asia Pacific	852-3551-3077
Japan	81-3-5408-4100
EMEA	44-20-7772-5454

MOODY'S INVESTORS SERVICE