

CREDIT OPINION

30 September 2024



Send Your Feedback

RATINGS

York, Regional Municipality of

Domicile	York, Ontario, Canada
Long Term Rating	Aaa
Туре	Senior Unsecured - Dom Curr
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

Adam Hardi, CFA +1.416.214.3636 Vice President-Senior Analyst adam.hardi@moodys.com

Jonathan Holmes +1 647.417.6302 Ratings Associate jonathan.holmes@moodys.com

Michael Yake +1.416.214.3865 Associate Managing Director michael.yake@moodys.com

CLIENT SERVICES

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

Regional Municipality of York (Canada)

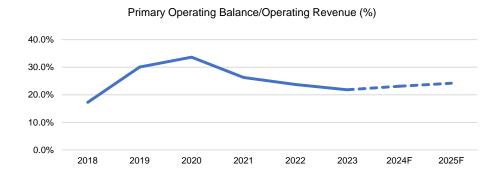
Update to credit analysis

Summary

The credit profile of the <u>Regional Municipality of York</u> (Aaa stable) reflects excellent liquidity with high levels of cash and investments which provide excellent coverage of debt and expenses. We view the region's governance as very strong governance which supports solid fiscal results with high levels of annual operating margins typically around 20-30%. The regional economy is broad and diversified and supports a growing tax base, which also benefits from continued robust population growth despite recent federal measures to curb immigration growth. While York's debt burden of 80% projected for 2024 is at the high end of Aaa-rated municipal peers in Canada, it has declined significantly over the last 5 years as the region continues to limit debt issuance for major capital projects.

Exhibit 1

York consistently posts strong fiscal results



Year ending December 31

Sources: York Region and Moody's Ratings

Credit strengths

- » Excellent liquidity metrics and growing levels of cash and investments
- » Diversified economy and strong population growth supports tax base and revenues
- » Mature institutional framework governing municipalities in Ontario
- » Robust fiscal planning cushions against cost pressures and adverse provincial changes

Credit challenges

» Elevated debt burden relative to peers given large-scale capital spending

Rating outlook

The stable outlook for York's rating reflects our view that the region will maintain significant operating surpluses supported by largely stable and predictable revenues, along with significant levels of wealth and liquidity which will allow the region to address ongoing cost pressures. Further, we continue to view the region's fiscal management as very strong, which will support balanced operating results over the next two years.

Factors that could lead to a downgrade

The rating could be downgraded if net direct and indirect debt rose materially on a sustained basis, or if significant operating pressures resulted in weaker fiscal results. A material decline in wealth and liquidity levels leading to lower coverage of operating expenses and debt could also put downward pressure on the rating.

Key indicators

Exhibit 2

Regional Municipality of York

(Year Ending 12/31)	2020	2021	2022	2023	2024F	2025F
Net Direct and Indirect Debt/Operating Revenue (%)	115.5	107.2	93.9	80.1	79.9	73.6
Primary Operating Balance/Operating Revenue (%)	33.6	26.2	23.7	21.8	23.1	24.2
Interest Payments/Operating Revenue (%)	4.7	4.3	4.0	3.4	3.4	3.2
Debt Service/Total Revenue (%)	11.8	19.2	3.7	3.3	8.2	7.6
Capital Spending/Total Expenditures (%)	31.7	22.0	21.2	20.2	21.2	27.7

Sources: York Region and Moody's Ratings

Detailed credit considerations

The credit profile of York, as expressed in its Aaa stable rating, combines (1) a baseline credit assessment (BCA) of aaa for the region and (2) our assessment of a high likelihood of extraordinary support coming from the <u>Province of Ontario</u> (Aa3 positive) in the event that the region faced acute liquidity stress.

Excellent wealth metrics and growing levels of cash and investments

York maintains excellent levels of wealth with rising cash/cash-equivalent and long-term investment balances (net of sinking funds) which stood at CAD5.2 billion at year-end 2023. These levels provided 212% coverage of net direct and indirect debt and 208% of annual operating expense, at the upper end of Aaa-rated domestic and global peers. We expect that the region will continue to emphasize building up its reserves from operating surpluses to finance its capital plans and minimize its reliance on other sources, including direct debt financing, resulting in rising coverage ratios in 2024 and 2025.

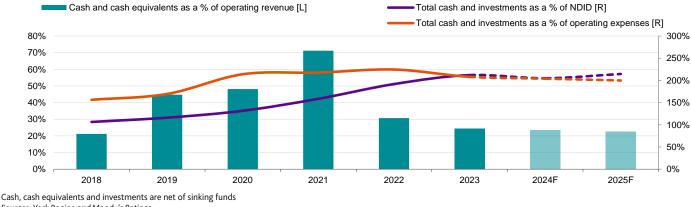
Reserves include discretionary reserves for asset replacement and growth capital, restricted reserves from development charges and corporate reserves which consist of discretionary reserves earmarked for specific purposes including for general/tax stabilization. York maintains tax and fiscal stabilization reserves of about 4% of operating revenues which the region has flexibility to drawdown on to manage in-year fiscal needs. The region also maintains significant and growing sinking fund balances for debt repayment, which grew to CAD1.3 billion at year-end 2023, up from CAD718.3 million at year-end 2019.

The region employs a long-term approach when planning for liquidity needs. For 2023, approximately 1.5% of the annual tax levy increases are used to fund capital reserves. Additionally, an internal policy allows 100% of supplementary tax revenue to be added to reserves at the end of each fiscal year. In addition to the cash and investments held by the region, liquidity is further improved through a CAD100 million line of credit (unused) with a Canadian bank.

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.



York maintains high levels of liquidity and coverage ratios (fiscal years ending Dec 31)



Sources: York Region and Moody's Ratings

Diversified economy and strong population growth supports tax base and revenues

York is home to a large diversified economy which leads to high levels of wealth and in turn high taxation revenues. The strong economic fundamentals of the region - continued population growth, high employment growth and an unemployment rate below the provincial and national average - will continue to support strong fiscal results. The regional economy has a significant presence of key sectors, including finance, insurance and real estate, professional, scientific and technical services, construction and manufacturing.

York has historically outperformed Ontario on a number of economic and labor market indicators, with favourable employment statistics, strong GDP growth and high GDP per capita. Nevertheless, the recent increase in interest rates, coupled with high inflation, have dampened economic growth.

The region also benefits from its proximity to the City of Toronto (Aa1 stable), Canada's largest commercial and financial center, its sound manufacturing base and its broad range of sectors such as technology, supply chain, business and financial services, construction, health care, food services and transportation.

Mature institutional framework governing municipalities in Ontario

The region's credit profile benefits from strong governance which is supported by comprehensive, transparent and timely financial reporting. The region utilizes prudent and forward-looking fiscal policies including multi-year operating budgets and 10-year capital plans which are updated annually. This allows pressures to be identified early on, supporting strong operating and consolidated results and utilization of pay-as-you-go and other financing approaches for capital projects during a period of consistent population growth.

The institutional framework governing municipalities in Ontario is mature and highly developed. The division of roles and responsibilities between the province and municipalities is clearly articulated, although the province is currently undertaking a review of several two-tier regional governments within the province, including York, to assess the division of roles and responsibilities between the different tiers of government. While we do not expect that the province will alter the two-tier structure of the region, the outcome of the review remains uncertain, and any material change in the regional structure or the region's financial responsibilities could have material implications on our credit assessment of York.

Provincial legislation dictates a high degree of oversight, including limits on debt servicing costs, while the region maintains significant flexibility to manage pressures through its operating and capital budgets. Debentures can only be issued to fund capital infrastructure projects, a large portion of which is repaid primarily through development charges on new property developments. Further, under The Municipal Act (2001), all debentures issued by a regional municipality are the direct, joint and several obligations of the regional municipality and its lower-tier municipalities.

Robust fiscal planning cushions against cost pressures and adverse provincial changes

The region's operating profile is supported by stable and predictable revenues which tend not to fluctuate with economic changes. Combined, these flows account for approximately two-thirds of operating revenues and will drive the majority of future revenue growth. Taxable property assessments have grown significantly in recent years and the region retains some flexibility to raise user fees, given relatively low rates compared to the rest of the Greater Toronto Area (GTA). Primary operating balances averaged 27.1% of operating revenue in the 5 year period from 2019-2023, with our projection of an average 23.6% across 2024 and 2025.

Management adheres to conservative investment and debt policies, limiting exposure to market-related risks and ensuring relatively smooth and predictable debt service costs. These financial management measures are also supported by comprehensive, transparent and timely financial reporting that is typical of governments in advanced industrial countries.

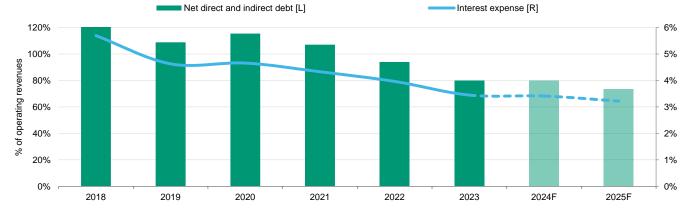
Inflationary cost pressures and rising wage demands continue to necessitate rising operating and capital expenses. However, the region's budget and long-term capital planning addresses these challenges through a combination of property tax increases, development charges, reserves and debt financing. The region's property tax increase of 3.75% in 2024 has exceeded the historical average and aims to address rising costs.

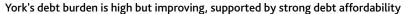
The province also made legislative changes in November 2022 restricting local governments' ability to impose development charges on certain projects, in order to encourage multi-unit projects and affordable housing. The region estimates the total impact of these changes could amount to CAD0.7 billion in lost revenue over 10 years. Recently, the province reversed some of these changes, which we expect will reduce the adverse impact on the region's future operating results.

Elevated debt burden relative to peers given large-scale capital spending

York's debt burden is at the upper end of Aaa-rated peers in Canada (median of 40.7% in 2023), despite our projection of a gradual decline to approximately 80% for 2024. Continued population growth over the next decade - even if the pace of growth changes given recent federal immigration policy changes - will remain a key driver of infrastructure spending which necessitates significant new debt issuance.

While the high levels of debt issuance adds to interest expense pressure, we view debt affordability as very strong, with our projection of interest expense remaining below 4% of operating revenue over the next five years.





Sources: York Region and Moody's Ratings

The continued need to fund growth and maintain infrastructure exerts pressure on future capital spending and debt levels, given planned expansions of the regional transportation network, including bus rapid transit and the proposed extension of the Yonge subway line from Toronto to Richmond Hill. The region's 10-year capital plan for 2024-2033 totals CAD11.6 billion, which includes CAD1.12 billion regional capital contribution for the Yonge North Subway Extension, with a total current cost estimate of CAD5.6 billion for the

Exhibit 4

subway. We project that the total costs could rise given general cost escalation of building subways, and given inflationary pressures on labour and materials costs, although the region estimates its share to be fixed. A further rise in costs, in the absence of a cap on the region's cost share, would be credit negative.

Debt financing of the capital plan for the region amounts to CAD2.7 billion, a significant amount and nearly one quarter of the capital plan, with the majority of debt issuances planned for 2027-2033. While the debt levels will continue to rise through the capital plan, growth in the sinking funds which we deduct to arrive at the net direct and indirect debt as well as revenue growth in line with historical trends will limit growth in the debt burden. We also expect that an increase in new borrowing will be balanced by the region's prioritization of other capital funding sources, including reserves and pay-as-you-go capital financing in order to limit the growth in debt.

Extraordinary support considerations

While York's BCA of aaa already places the region in the Aaa rating bracket, we also consider the likelihood of extraordinary support coming from the Province of Ontario to prevent a potential default by York. We consider a high likelihood of extraordinary support based on our assessment of the risk to the province's reputation as a regulator of municipalities and incentive for the provincial government to minimize the risk of potential disruptions to capital markets if York or any other municipality were allowed to default.

ESG considerations

York, Regional Municipality of's ESG credit impact score is CIS-2

Exhibit 5 ESG credit impact score



The CIS-2 Credit Impact Score for York reflects a low impact of ESG considerations on the ratings.

Exhibit 6 ESG issuer profile scores ENVIRONMENTAL SOCIAL GOVERNANCE E-2 S-2 G-1 G-1

Source: Moody's Ratings

Environmental

The **E-2** issuer profile score (IPS) reflects a low exposure to climate risks and neither spending nor revenue are materially impacted by environmental changes.

Social

The **S-2** social IPS reflects mitigated risks related to the provision of public services such as public safety (police and paramedic) and environmental (water and waste collection), given predictable demographic trends which allow for long-term forecasting of service requirements and therefore manageable expenses. The majority of health expenses are the responsibility of the province and not the region.

Governance

The **G-1** issuer profile score reflects very strong budget and fiscal management practices and strong institutional framework. The region is subject to balanced budget legislation and has a forward-looking view to identify budget challenges with the ability to adjust plans on a timely basis to mitigate any credit implications. The region provides transparent, timely financial reports including forward-looking fiscal policies, annual operating budgets and 10-year capital plans which are updated annually and adheres to strict policies on debt and investment management.

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

The assigned BCA of aaa is in line with the BCA scorecard-indicated outcome of aaa. For details about our rating approach, please refer to <u>Rating Methodology: Regional and Local Governments</u>, 28 May 2024.

Regional & Local Governments						
Baseline Credit Assessment – Scorecard	Score	Value	Sub-factor Weighting	Sub-factor Score	Factor Weighting	Total
Factor 1: Economy					25%	0.99
Regional Income [1]	2.58	58907.23	15%	0.39		
Economic Growth	9.00	baa	5%	0.45		
Economic Diversification	3.00	aa	5%	0.15		
Factor 2: Institutional Framework and						
Governance					30%	0.60
Institutional Framework	1.00	ааа	15%	0.15		
Governance	3.00	aa	15%	0.45		
Factor 3: Financial Performance					20%	0.53
Operating Margin [2]	2.86	21.83%	10%	0.29		
Liquidity Ratio [3]	1.90	24.34%	5%	0.09		
Ease of Access to Funding	3.00	aa	5%	0.15		
Factor 4: Leverage					25%	1.67
Debt Burden [4]	5.71	80.10%	15%	0.86		
Interest Burden [5]	8.18	3.45%	10%	0.82		
Preliminary BCA Scorecard-Indicated						
Outcome (SIO)						(3.79) aa3
Idiosyncratic Notching						2.0
Preliminary BCA SIO After Idiosyncratic						
Notching						(1.79) aa1
Sovereign Rating Threshold						Aaa
Operating Environment Notching						1.5
BCA Scorecard-Indicated Outcome						(1.00) aaa
Assigned BCA						aaa

[1] Regional GDP per capita in terms of purchasing power parity (PPP) terms, in international dollars

[2] Primary Operating Balance / Operating Revenue

[3] Cash and Cash Equivalents / Operating Revenue

[4] Net Direct and Indirect Debt / Operating Revenue

[5] Interest Payments / Operating Revenue

Source: Moody's Ratings; Fiscal 2023.

Ratings

Exhibit 8

Category	Moody's Rating
YORK, REGIONAL MUNICIPALITY OF	
Outlook	Stable
Senior Unsecured -Dom Curr	Aaa
Commercial Paper -Dom Curr	P-1
Courses Manada 's Dationa	

Source: Moody's Ratings

© 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 chained 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

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 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.

REPORT NUMBER 1418421

CLIENT SERVICES

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