

CREDIT OPINION

22 January 2025

Update



RATINGS

Banco Davivienda S.A.

Domicile	Colombia
Long Term CRR	Baa2
Туре	LT Counterparty Risk Rating - Fgn Curr
Outlook	Not Assigned
Long Term Debt	Withdrawn
Туре	Senior Unsecured - Fgn Curr
Outlook	Rating(s) WithDrawn
Long Term Deposit	Baa3
Туре	LT Bank Deposits - Fgn Curr
Outlook	Negative

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

Alexandre +55.11.3043.7356 Albuquerque VP-Senior Analyst alexandre.albuquerque@moodys.com

Marcelo De Gruttola +54.11.5129.2624 VP-Senior Analyst

marcelo.degruttola@moodys.com

Alejandra Saldivar +52.55.1253.5732
Santiago
Ratings Associate
alejandra.saldivarsantiago@moodys.com

Ceres Lisboa +55.11.3043.7317

Associate Managing Director ceres.lisboa@moodys.com

Banco Davivienda S.A.

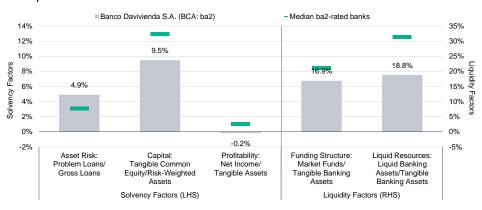
Update following rating affirmation, outlook remains negative

Summary

Banco Davivienda S.A. (Davivienda) has a standalone Baseline Credit Assessment (BCA) of ba2 that reflects the bank's good access to core deposits and its long track record of steady, although modest, position of liquid assets. The ba2 BCA also reflects asset quality metrics that remain high compared to historical levels. In addition, Davivienda's BCA is challenged by the net losses the bank reported in 2023 and cumulative net losses in the first nine months of 2024. The negative pressure on profitability was driven by a significant rise loan loss provisions in 2023, as well as by a reduction in margins that reflected conservative business activity, the high monetary policy rate and the implementation of the NSFR in Colombia.

Davivienda's deposit ratings of Baa3 incorporate our assessment of a very high probability that the bank would receive support from the <u>Government of Colombia</u> (Baa2 negative) in an event of financial stress. This assessment results in two notches of rating uplift from the bank's Adjusted BCA of ba2.

Exhibit 1
Rating Scorecard - Key financial ratios
As of September 2024



For the problem loan and profitability ratios, we review the latest three year-end ratios, as well as the most recent intra-year ratio, where applicable, and base our starting point ratio on the weaker of the average of this period and the latest figure. For the capital ratio, we use the latest figure. For the funding structure and liquid asset ratios, we use the latest year-end figures. Source: Moody's Financial Metrics

Credit strengths

» Funding comprised mostly of core deposits, reflecting Davivienda's good market share in the Colombian banking system.

- » Problem loan ratios in Q3 2024 were still below those of large peer banks in Colombia.
- » Regulatory capital metrics at adequate levels.

Credit challenges

- » Negative bottom-line results in the first nine months of 2024.
- » Problem loan ratios are high compared to previous years, reflecting delinquency in consumer loans that are high, but decreasing gradually on quarterly basis, and decline in loan portfolio volume. Despite that, the problem loan ratio for consumer loans improved in Q3 2024 compared with peak in Q4 2023.

Outlook

The negative outlook on Davivienda's deposit ratings of Baa2 considers the negative outlook on Colombia's sovereign rating, coupled with negative pressure on the bank's BCA stemming from net losses reported in 2023 and first half 2024 and problem loan ratios that remained relatively high, compared with historical levels, as of September 2024.

Factors that could lead to an upgrade

Considering the negative outlook on Colombia's sovereign rating, upward rating pressure is unlikely at this time for Davivienda's ratings. However, a stabilization of the outlook on the sovereign rating could lead to a stabilization of the bank's ratings outlook.

Upward pressure on the bank's BCA would stem from material and consistent improvement in asset quality and capital. In addition, a higher profitability would also be positive to the BCA, particularly as result of successful loan portfolio cleanup. Stronger economic growth and lower inflation in Colombia and Central America will also be beneficial to the bank's financial metrics and BCA.

Factors that could lead to a downgrade

The bank's deposit ratings, which benefit from government support uplift, would face negative pressure in case Colombia's sovereign debt rating were to be downgraded. Additionally, Davivienda's long-term ratings would face downward pressure if its BCA is downgraded, which could happen in case the bank reports additional net losses on a consistent basis and negative pressure on asset quality leads to higher provisioning needs, affecting earnings and capitalization. A longer-than-expected and costly integration process could also pressure profits and have a negative effect on the BCA.

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
Banco Davivienda S.A. (Consolidated Financials) [1]

	09-24 ²	12-23 ²	12-22 ²	12-21 ²	12-20 ³	CAGR/Avg.4
Total Assets (COP Billion)	182,062.5	177,813.2	181,495.8	152,161.1	134,705.4	8.4 ⁵
Total Assets (USD Million)	43,617.9	45,899.1	37,430.4	37,803.5	39,381.8	2.85
Tangible Common Equity (COP Billion)	13,268.4	12,565.9	14,513.3	12,518.9	10,835.5	5.6 ⁵
Tangible Common Equity (USD Million)	3,178.8	3,243.6	2,993.1	3,110.3	3,167.8	0.15
Problem Loans / Gross Loans (%)	4.9	4.9	3.2	4.3	5.0	4.5 ⁶
Tangible Common Equity / Risk Weighted Assets (%)	9.5	9.3	10.2	11.1	9.2	9.9 ⁷
Problem Loans / (Tangible Common Equity + Loan Loss Reserve) (%)	36.5	36.1	22.3	28.3	30.8	30.8 ⁶
Net Interest Margin (%)	5.0	5.2	5.4	5.3	5.6	5.3 ⁶
PPI / Average RWA (%)	3.9	3.6	4.6	4.7	4.0	4.17
Net Income / Tangible Assets (%)	-0.2	-0.2	0.9	0.8	0.3	0.36
Cost / Income Ratio (%)	53.7	53.1	46.3	46.4	46.3	49.2 ⁶
Market Funds / Tangible Banking Assets (%)	15.6	16.9	19.1	17.8	19.5	17.8 ⁶
Liquid Banking Assets / Tangible Banking Assets (%)	17.5	18.8	16.8	18.5	18.8	18.1 ⁶
Gross Loans / Due to Customers (%)	108.1	109.0	119.6	117.6	120.5	115.0 ⁶

[1] All figures and ratios are adjusted using Moody's standard adjustments. [2] Basel III - fully loaded or transitional phase-in; IFRS. [3] Basel II; IFRS. [4] May include rounding differences because of the scale of reported amounts. [5] Compound annual growth rate (%) based on the periods for the latest accounting regime. [6] Simple average of periods for the latest accounting regime. [7] Simple average of Basel III periods.

Sources: Moody's Ratings and company filings

Profile

Banco Davivienda S.A., a universal bank, provides banking and other financial products and services, including deposit and savings accounts, loans, mortgages and leasing facilities to retail, microfinance, small and medium-sized enterprises (SME), corporate and commercial clients, as well as to public authorities. As of September 2024, the bank reported consolidated assets of COP182,468 billion (USD 44 billion), being the second largest bank in terms of assets in Colombia. In addition, it was the country's second-largest financial entity in terms of gross loans, with a market share of about 15% in Colombia. The bank had about 76% of its loans in Colombia and the remaining 24% throughout Costa Rica, El Salvador, Honduras, and Panama as of September 2024.

Davivienda was established in 1972 as a savings and mortgage corporation named Corporación Colombiana de Ahorro y Vivienda. The bank is owned by Grupo Bolivar which had 59.2% of ownership as of Septemeber 2024. Grupo Bolivar is among the most important conglomerates in Colombia with over 80 years of experience, it has operations in Colombia, Central America and Miami. On 6 January 2025, Davivienda entered into an agreement with <u>Bank of Nova Scotia</u> (BNS, Aa2 stable, a3) to integrate BNS's subsidiaries in Colombia, Costa Rica, and Panama. The integration of operations is likely to begin in the second half of 2025, when the agreement receives regulatory approvals.

Detailed credit considerations

Problem loan ratios benefited partly from gradual improvement in the consumer segment, but remained at high levels

In September 2024, Davivienda's nonperforming loan (NPL) ratio, measured as stage 3 loans under IFRS to gross loans, decreased to 4.90% from 4.96% one year prior. The decline stemmed mostly from a lower formation of problem loans in the consumer book and by a small but positive growth of 0.8% in gross loans. This, in turn, reflected the bank's stringent underwriting standards that led to better new loan vintages. Despite that, Davivienda reported an increase in loan delinquency in the portfolios of mortgage and commercial loans in Q3 2024. The bank's asset quality measured as 90-day past due loans to gross loans also decreased to 4.64% in September 2024, from 4.73% one year prior. The bank's loan loss reserves remained at an adequate 81.46% of Stage 3 loans, down from 95.47% in the previous year, and continued to be an important mitigant against credit risk.

Davivienda's gross loans grew 0.8%, year-over-year, in September 2024. The bank's consumer portfolio experienced a decline of 13.2% in loan volume, after having posted a 17.5% drop in Q1 2024, primarily related to operations in Colombia. Nonetheless, this decline was counterbalanced by growth in the portfolios of mortgage and commercial, which went up 7.8% and 5.7%, respectively, and comprised 75% of gross loans in September 2024.

Davivienda's Central American credit exposures comprised about 24% of the bank's consolidated loan book as of September 2024, increasing from 21% in December 2021, mainly due to loan book contraction in Colombia. The bank's operations in El Salvador and Costa Rica were the largest exposures overseas, with around 7% of total consolidated credits each, while the Honduras and Panamabased subsidiaries accounted for 6% and 3%, respectively, as of Q3 2024. However, the merger with BNS's subsidiaries in Costa Rica and Panama will allow Davivienda to gain market share in the two countries, making their operations rank fifth and eight, respectively, in terms of loans.

Slight improvement in core capitalization

Our preferred ratio of tangible common equity to risk-weighted assets (TCE/RWA) for Davivienda increased to 9.46% in September 2024, up from 9.38% one year prior. The increase in the capital ratio reflected the continued reduction in the bank's loan book, mostly in consumer financing, the positive, albeit still-small, effect from earnings posted for Q3 2024, and the issuance of 36 million new shares in March 2024, equivalent to COP 720 billion. We expect Davivienda's TCE ratio will likely benefit from the gradual improvement in bottom-line results in 2025, although these contributions will be somewhat modest because of contained loan growth.

On regulatory basis, the bank's common equity tier 1 (CET1) ratio was 10.37% in September 2024, slightly higher than 10.23% one year prior and adequately above the minimum threshold of 7.0%. The bank's total capital ratio was 14.74% in Q3 2024, compared with 15.32% in Q1 2023.

For the TCE/RWA ratio, we adjust RWA by assigning a risk-weighting to government securities in accordance with the countries that issue them, i.e. in Colombia we assign a 50% risk-weighting in line with the Colombian government's Baa2 bond rating. In addition, we adjust TCE to exclude the bank's non-controlling participation in its subsidiaries.

In 2026, Davivienda may have higher CET1 ratios as a result of its integration with BNS's subsidiaries if the bank is able to strengthen its bottom-line results throughout 2025, before it begins to incur additional operating expenses from the merging process. As of September 2024, the bank's estimate of a combined CET1 ratio for its operation as a merged entity was 10.74%, reflecting a more positive effect from the aggregation of CET1 than of risk-weighted assets for the new entity.

Profitability continues to show small, but gradual improvement; still affected by provision expenses

In September 2024, Davivienda's ratio of net income to tangible assets (NI/TA) was -0.2%, compared with -0.1% one year prior. Despite that, the bank reported positive earnings of COP 109.4 billion in Q3 2024, after three quarters of losses. This improvement reflected a reduction in provision expenses – because of better new loan vintages – and in interest expenses, in line with lower interest rates.

The bank's loan loss provision expenses decreased 35% year-over-year in Q3 2024, after having gone up 71.7% in 2023. Similar to other banks in Colombia, Davivienda recorded an increase in loan loss provisions in 2023 in line with the weak operating environment. In addition, the bank had already reported high growth in consumer loans in 2022, contributing to a more pronounced exposure to riskier loans, particularly with low income individuals, than its peers. The bank's ratio of loan loss provisions to pre-provision income (PPI) decreased to 107.0% in September 2024, from 109.4% one year prior.

In September 2024, the bank's net interest margin (NIM), as we calculate it, stood at 5.02%, lower than the 5.26% recorded the previous year. Davivienda's NIM has remained relatively stable over the last 24 months despite the increase in the country's benchmark policy rate from 2022 until April 2024 and the rise in funding costs for all banks in the system due to new regulations on long-term financing.

In 2025, we expect Davivienda's profitability will likely benefit from the ongoing slow reduction in provision expenses, gradual improvement in funding costs, as reference rates keep decreasing, and inflation pressure subsides, benefiting operating expenses. Despite that, the bank's profitability metrics will likely remain small in year-end 2024. The merger with BNS's subsidiaries will weigh on the bank's profitability as the incorporation process begins, reflecting higher operating expenses, but it will benefit in the long-run from the migration of additional clients and future synergy gains which will likely result in a more stable generation of recurring earnings for the bank.

Volume of core funding and liquid assets remains stable

Our assessment of funding structure incorporates the bank's moderate reliance on market funds, representing about 15.6% of tangible banking assets as of September 2024, supported by its sizable branch network — positioned among Colombia's top three networks — and good market position in Central America.

Davivienda has a market share of about 14% in terms of deposits in the Colombian banking system, which will remain an important strength for the bank. Davivienda's presence in different markets provides it an opportunity to gather core deposits and reduce its dependence on market funds.

The bank's liquid resources remain modest, but consist of highly liquid instruments comprised of investments in low-risk assets, mainly made up of cash, balances with the central bank and government bonds of Colombia. The bank's liquid banking assets stood at 17.5% of tangible banking assets as of September 2024.

Davivienda's Moderate Macro Profile balances the bank's exposure to Colombia and to weaker operating environments in Central America

Davivienda's operations are mainly focused on Colombia, which has a Moderate+ Macro Profile. The remainder of the bank's operations are distributed among Panama (Moderate), El Salvador (Weak-), Honduras (Weak-) and Costa Rica (Moderate-), which results in the bank's Moderate weighted Macro Profile. Our Banks methodology indicates that a weighted Macro Profile should be used for banks that have balance sheets exposed to different systems.

Colombia's Moderate+ Macro Profile reflects the country's relatively large economy, with a history of predictable policymaking, balanced against a relatively high dependence on commodities and sensitivity to trade shocks, and borrower concentration in the banking system. Despite its high exposure to trade shocks, external vulnerabilities are limited by the country's adequate foreign-exchange buffers and access to a sizable credit line from the International Monetary Fund. Moreover, the effectiveness of the government's policy response to recent commodity shocks illustrates the country's moderate institutional strength. In this regard, the actions by the Colombian government and the central bank in response to the pandemic include measures to reinforce the liquidity of financial institutions and the establishment of basic guidelines for the renegotiation of terms and conditions of existing loans.

ESG considerations

Banco Davivienda S.A.'s ESG credit impact score is CIS-2

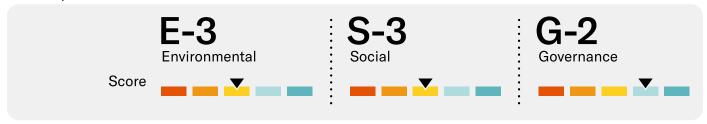
Exhibit 3
ESG credit impact score



Source: Moody's Ratings

Davivienda's **CIS-2** indicates that ESG considerations do not have a material impact on the rating to date. This reflects the limited credit impact of environmental and social risk factors on the rating to date and low governance risks. Despite its concentrated ownership, the bank's corporate governance practices are robust and have supported the bank's credit profile during past crises. The bank has a strong track record and earnings recurrence is high, underpinned by its sound risk management practices.

Exhibit 4
ESG issuer profile scores



Source: Moody's Ratings

Environmental

Davivienda has exposure to environmental risks related to its large portfolio of commercial loans with corporate customers, which are inherently exposed to carbon transition risk. As a result, the bank's exposure to carbon transition risk is in line with the banking industry's inherent exposure to this risk category in our environmental risk heat map. However, as a large bank in Colombia, Davivienda has a diversified loan portfolio that mitigates some of the environmental risks from carbon transition. In line with its peers, the bank is facing mounting business risks and stakeholder pressure to meet broader carbon transition goals. In response, Davivienda is engaging in developing its climate risk and portfolio management capabilities.

Social

Davivienda faces moderate social risks related to customer relations. The bank's developed policies and procedures, mitigate risk associated with the distribution of financial products such as conduct, regulatory and reputational risks, as well as exposure to litigation; Davivienda has activities primarily in Colombia, a country which has imposed only moderate penalties in relation to consumer protection. Continued investments in technology and the bank's long track record of handling sensitive customer data, as well as appropriate culture and governance that ensure adherence to regulatory standards, help to manage high cyber and personal data risks. Opportunities from financial inclusion are reflected in a better than industrywide exposure to demographic and societal trends.

Governance

Davivienda has exposure to governance risks related to shareholder ownership that is dominated by one private group, despite the bank being publicly listed. However, the associated governance risks are mitigated by the composition of the board, with a majority of independent directors, and further supported by the track record of the bank's management team in terms of sustained earnings generation and delivering on strategic goals. Moreover, the bank's risk management, policies and procedures are in line with industry best practices.

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 here to go to the landing page for the entity/transaction on MDC and view the ESG Scores section.

Support and structural considerations

Government support considerations

There is a very high likelihood of government support for Davivienda's rated wholesale deposits. This reflects Davivienda's large market share of deposits and loans in Colombia and, hence, the significant systemic consequences that would result from an unsupported failure. Davivienda's deposit rating currently benefits from a two-notch uplift from government support.

Counterparty Risk (CR) Assessment

Davivienda's CR Assessment is Baa2(cr)/Prime-2(cr)

The CR Assessment is one notch above the bank's deposit rating of Baa3, reflecting our view that its probability of default is lower for operating obligations than for deposits.

Counterparty Risk Ratings (CRRs)

Davivienda's CRRs are Baa2/Prime-2

Davivienda's global CRRs are positioned at Baa2 and Prime-2, one notch above the bank's deposit rating of Baa3, reflecting the lower probability of default of CRR liabilities and our expectation of a normal level of loss given default.

Foreign-currency debt rating

The B2 (hyb) foreign-currency subordinated debt rating assigned to Davivienda's additional Tier 1 capital notes is positioned three notches below the bank's ba2 Adjusted BCA, in line with our standard notching guidance for contractual non-viability perpetual maturity securities.

Methodology and scorecard

About Moody's Bank Scorecard

Our scorecard is designed to capture, express and explain in summary form our Rating Committee's judgment. When read in conjunction with our research, a fulsome presentation of our judgment is expressed. As a result, the output of our scorecard may materially differ from that suggested by raw data alone (though it has been calibrated to avoid the frequent need for strong divergence). The scorecard output and the individual scores are discussed in rating committees and may be adjusted up or down to reflect conditions specific to each rated entity.

Rating methodology and scorecard factors

Exhibit 5

Rating Factors

Macro Factors						
Weighted Macro Profile Moderate	e 100%					
Factor	Historic Ratio	Initial Score	Expected Trend	Assigned Score	Key driver #1	Key driver #2
Solvency						
Asset Risk						
Problem Loans / Gross Loans	4.9%	ba1	\leftrightarrow	ba2	Expected trend	Quality of assets
Capital						
Tangible Common Equity / Risk Weighted Assets	9.5%	ba3	\leftrightarrow	ba3	Expected trend	
(Basel III - transitional phase-in)						
Profitability						
Net Income / Tangible Assets	-0.2%	caa2	\leftrightarrow	caa2	Loan loss	
					charge coverage	
Combined Solvency Score		ba3		b1		
Liquidity						
Funding Structure						
Market Funds / Tangible Banking Assets	16.9%	baa3	\leftrightarrow	baa3	Extent of market	
					funding reliance	
Liquid Resources						
Liquid Banking Assets / Tangible Banking Assets	18.8%	ba2	\leftrightarrow	ba2	Stock of liquid assets	
Combined Liquidity Score		ba1		ba1		
Financial Profile				ba3		
Qualitative Adjustments				Adjustment		
Business Diversification				0		
Opacity and Complexity				0		
Corporate Behavior				0		
Total Qualitative Adjustments				0		
Sovereign or Affiliate constraint				Baa2		
BCA Scorecard-indicated Outcome - Range				ba2 - b1		
Assigned BCA				ba2		
Affiliate Support notching				0		
Adjusted BCA				ba2		

Instrument Class	Loss Given Failure notching	Additional notching	Preliminary Rating Assessment	Government Support notching	Local Currency Rating	Foreign Currency Rating
Counterparty Risk Rating	1	0	ba1	2	Baa2	Baa2
Counterparty Risk Assessment	1	0	ba1 (cr)	2	Baa2(cr)	
Deposits	0	0	ba2	2	Baa3	Baa3
Dated subordinated bank debt	-3	0	b2	0		B2 (hyb)

^[1] Where dashes are shown for a particular factor (or sub-factor), the score is based on non-public information.

Source: Moody's Ratings

Ratings

Exhibit 6

Category	Moody's Rating		
BANCO DAVIVIENDA S.A.			
Outlook	Negative		
Counterparty Risk Rating	Baa2/P-2		
Bank Deposits	Baa3/P-3		
Baseline Credit Assessment	ba2		
Adjusted Baseline Credit Assessment	ba2		
Counterparty Risk Assessment	Baa2(cr)/P-2(cr)		
Subordinate	B2 (hyb)		

Source: Moody's Ratings

© 2025 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 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 Moody's Investors Service, Inc. for credit ratings opinions and services rendered by it. MCO and all MCO entities that issue ratings under the "Moody's Ratings" brand name ("Moody's Ratings"), also maintain policies and procedures to address the independence of Moody's Ratings' credit ratings and credit rating processes. Information regarding crudian 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 ir.moodys.com under the heading "Investor Relations — Corporate Governance — Charter and Governance 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 and Net Zero Assessments (as defined in Moody's Ratings Rating Symbols and Definitions): Please note that neither a Second Party Opinion ("SPO") nor a Net Zero Assessment ("NZA") is a "credit rating". The issuance of SPOs and NZAs is not a regulated activity in many jurisdictions, including Singapore. JAPAN: In Japan, development and provision of SPOs and NZAs 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 1435370