

Global Credit Research - 01 Aug 2014

Bogota, Colombia

Ratings

Category	Moody's Rating
Outlook	Negative(m)
Bank Deposits -Fgn Curr	Baa2/P-2
Bank Deposits -Dom Curr	Baa1/P-2
Bank Financial Strength	C-
Baseline Credit Assessment	baa2
Adjusted Baseline Credit Assessment	baa2
Senior Unsecured	Baa1
Subordinate	Baa3
Parent: Grupo Aval Acciones y Valores S.A.	
Outlook	Negative
Issuer Rating	Baa3
ST Issuer Rating	P-3
BAC International Bank, Inc	
Outlook	Stable
Bank Deposits	Baa3/P-3
Bank Financial Strength	D+
Baseline Credit Assessment	baa3
Adjusted Baseline Credit Assessment	baa3

Contacts

Analyst	Phone
Felipe Carvallo/Mexico	52.55.1253.5700
David Olivares Villagomez/Mexico	
M. Celina Vansetti/New York City	1.212.553.1653
Lauren Kleiman/Mexico	52.55.1253.5700

Key Indicators

Banco de Bogota S.A. (Consolidated Financials)[1]

	[2]3-14	[2]12-13	[2]12-12	[2]12-11	[2]12-10	Avg.
Total Assets (COP billion)	104,805.7	100,669.0	80,506.4	68,809.6	59,346.6	[3]15.3
Total Assets (USD million)	53,244.4	52,106.3	45,561.0	35,496.1	30,909.5	[3]14.6
Tangible Common Equity (COP billion)	4,864.8	5,075.2	4,573.5	3,539.4	761.2	[3]59.0
Tangible Common Equity (USD million)	2,471.5	2,626.9	2,588.3	1,825.8	396.5	[3]58.0
Net Interest Margin (%)	4.7	5.1	5.3	4.0	3.4	[4]4.5
PPI / Average RWA (%)	3.9	4.4	4.2	5.1	6.9	[5]4.9
Net Income / Average RWA (%)	2.0	1.8	1.9	1.9	2.1	[5]1.9
(Market Funds - Liquid Assets) / Total Assets (%)	-9.4	-11.8	-13.9	-11.5	-9.5	[4]-11.2
Core Deposits / Average Gross Loans (%)	111.0	127.7	121.1	119.3	154.0	[4]126.6
Tier 1 Ratio (%)	4.2	4.4	8.0	7.2	3.5	[5]5.5
Tangible Common Equity / RWA (%)	5.1	5.7	6.3	5.6	1.4	[5]4.8
Cost / Income Ratio (%)	53.6	58.6	60.2	55.9	43.4	[4]54.3
Problem Loans / Gross Loans (%)	1.4	1.3	1.2	1.3	1.6	[4]1.4

Problem Loans / (Equity + Loan Loss Reserves) (%)	7.5	6.7	6.2	6.8	10.9	[4]7.6
---	-----	-----	-----	-----	------	--------

Source: Moody's

[1] All figures and ratios are adjusted using Moody's standard adjustments [2] Basel I; LOCAL GAAP [3] Compound Annual Growth Rate based on LOCAL GAAP reporting periods [4] LOCAL GAAP reporting periods have been used for average calculation [5] Basel I & LOCAL GAAP reporting periods have been used for average calculation

Opinion

SUMMARY RATING RATIONALE

On 29 July 2014, Moody's upgraded the long-term foreign currency deposit rating of Banco de Bogotá S.A. to Baa2, from Baa3, with a stable outlook following Moody's recent upgrade of Colombia's sovereign debt rating to Baa2, from Baa3. Moody's also upgraded the foreign currency senior unsecured debt rating of Banco de Bogotá to Baa1, from Baa2, but changed its outlook to negative, from stable following the revision of the foreign currency ceilings which effectively unconstrained Banco de Bogotá's foreign currency debt rating. The outlooks on Banco de Bogotá's C- standalone bank financial strength rating (BFSR), its Baa1 long-term global local currency deposit rating and its Baa3 long-term foreign currency subordinated debt rating, remain negative as well. Banco de Bogotá's C- standalone BFSR maps to a baa2 standalone baseline credit assessment (BCA). At the same time, Moody's upgraded Banco de Bogotá's short-term foreign currency deposit rating to Prime-2, from Prime-3.

The negative outlook on Banco de Bogotá's standalone BFSR reflect the bank's very low fully adjusted Tier 1 capital ratio which decreased about 400 basis points in September 2013, following the introduction of more stringent deductions related to minority interest and goodwill. Between June 2013 and September 2013, the bank's fully adjusted Tier 1 ratio decreased to 4.13%, from 8.04%. Banco de Bogotá has a 38.2% ownership of Corporación Financiera Colombiana S.A. (Corficolombiana, unrated) and a 46.9% ownership of AFP Porvenir S.A., which are nevertheless consolidated. Majority ownership of both these entities is held by related parties, namely those entities belonging to the bank's holding company, Grupo Aval. The bank must deduct the minority interest in both entities held by related parties from its consolidated Tier 1 capital.

During the fourth quarter, there was a positive net effect on Tier 1 leading to an increased ratio of 4.43%. The net effect was related to a COP1.3 trillion capitalization versus the COP1.1 trillion goodwill incorporated from the acquisitions of Banco BAC de Panamá, S.A. (unrated) from BBVA and Guatemala's Grupo Financiero Reformador (Reformador, unrated). However, during the first quarter of 2014, Banco de Bogotá's Tier 1 ratio decreased to 4.25%, as a result of continued organic growth. Fully adjusted risk-weighted assets increased 7% during the quarter.

Banco de Bogotá's very low capitalization continues to nevertheless be supported by good asset quality, within its domestic franchise and its Central American subsidiary BAC International Bank, Inc. (BAC Credomatic, D+/baa3 stable, Baa3 stable), as well as in the acquired portfolios from Banco BAC de Panamá and Reformador.

Through 2014, Banco de Bogotá's capitalization is expected to remain stable, in line with the bank's resilient levels of returns underscored by ample margins and an efficient cost structure, versus an expected loan growth of 15%.

The bank's shareholder has expressed commitment to funding future acquisitions with fresh new capital, which would otherwise affect capitalization further. Also, further extraordinary regulatory events related to capitalization are not expected during 2014. Moody's adjustments for the bank's Tier 1 capitalization ratios are related to the deduction of grandfathered goodwill from the acquisition of BAC Credomatic in 2010, for COP2.5 trillion, and risk-weighting government securities at 50%, in line with the Colombian government's Baa2 bond rating.

The bank's baa2 standalone BCA is constrained by a high growth profile and acquisitive strategy and the bank's operating environment in Colombia and Central America.

On 19 December 2013, Banco de Bogotá acquired Banco BAC de Panamá for USD505 million via its Panamanian subsidiary, Leasing Bogotá S.A. Panamá (Leasing Bogotá, unrated). Banco de Bogotá is now seeking to merge Banco BAC de Panamá into BAC Credomatic, to be completed through end-2014. On 23 December 2013, Banco de Bogotá acquired Reformador for USD411 million through Credomatic International Corporation (unrated), a subsidiary of BAC Credomatic.

The acquisitions benefit the bank's franchise through an important geographic diversification, with 34.5% of operations in six different Central American countries. Banco de Bogotá is also the second-largest in Colombia and part of the country's largest financial conglomerate, Grupo Aval. Banco de Bogotá is one of the largest financial groups in Central America in terms of assets.

The Baa1 local currency deposit rating is one notch above the bank's standalone BCA, in line with Moody's assessment of very high systemic support for Banco de Bogotá's deposits and senior issuances given its important market shares in terms of deposits.

Rating Drivers

- Limited loss absorption capabilities under stress scenarios
- Proactive and institutionalized risk management policies ensure low levels of problem loans
- Resilient levels of returns underscored by ample margins and an efficient cost structure
- Core deposit funding and ample liquidity
- Well-established banking franchise in Colombia and Central America

What Could Change the Rating - Down

Moody's is evaluating the evolution of the bank's capitalization and loss absorption capacity, which stands today amongst the lowest of the Colombian banking system.

The announcement of another major acquisition would prompt a reassessment of the bank's standalone ratings.

What Could Change the Rating - Up

An improvement in ratings is less likely at this juncture.

Rating Outlook

Banco de Bogotá's standalone BFSR, local currency deposit and foreign currency senior unsecured and subordinated debt ratings have a negative outlook. At the same time, its foreign currency deposit rating has a stable outlook.

DETAILED RATING CONSIDERATIONS

Detailed considerations for Banco de Bogotá's ratings are as follows:

Bank Financial Strength Rating

LIMITED LOSS ABSORPTION CAPABILITIES UNDER STRESS SCENARIOS

Banco de Bogotá's fully adjusted Tier 1 ratio of 4.25% as of March 2014 is the lowest amongst rated Colombian banks, which in turn compares also negatively to the Tier 1 ratios of regional peers.

Banco de Bogotá's Tier 1 ratio offers a limited loss absorption even when taking into consideration the bank's low problem loans and composition of loan portfolio, within different stress scenarios of credit losses. Moody's stress scenarios include expected losses for loans and for equity and fixed-income investments. Different probabilities of default and loss given defaults on the loan and securities portfolios, were applied against capital and the bank's high levels of reserve coverage. For capital replenishment purposes, Moody's incorporated expected growth levels, Banco de Bogotá's earnings capabilities and reserves.

RESILIENT LEVELS OF RETURNS UNDERSCORED BY AMPLE MARGINS AND AN EFFICIENT COST STRUCTURE

Banco de Bogotá's stable generation of core earnings results from an ample net interest margin (4.7% as of March 2014) related to a low cost funding base and a growing and diversifying loan portfolio, both closely referenced to the benchmark interest rate and the 90-day CDT rate (DTF).

Banco de Bogotá has also successfully integrated BAC, with further beneficial effects on core earnings and their

predictability, based on the business diversification that BAC's retail business brings to the bank's portfolio. The portfolio had traditionally consisted mainly of large corporations and a small consumer portfolio. With the integration of BAC, the bank now incorporates consumer as well as residential mortgages. Banco de Bogotá's credit card lending is being enhanced by BAC's know-how, whilst BAC's corporate lending benefits from Banco de Bogotá's.

The bank also runs an efficient operation, with a cost/income ratio of 53.6% as of March 2014. This can be explained mainly by the bank's ability to generate stable earnings, underscored by its core funding profile and cost sharing benefits related to the Grupo Aval network.

The bank's preprovision, pre-tax income (PPI) as percent of average RWAs is 3.9% and net income as percent of average RWAs is 2.0%, as of March 2014.

During the first quarter of 2014, Banco de Bogotá reported consolidated net income of COP316 billion, down 33.3% from the same period a year earlier, in line with 24.6% higher operating costs and almost null expansion in the bank's net interest income. During the 12 months ended in March 2014, Banco de Bogotá expanded its portfolio 30.4%, in line with acquisitions; excluding acquisitions, the bank domestically expanded its portfolio by 20.9%.

PROACTIVE AND INSTITUTIONALIZED RISK MANAGEMENT

Banco de Bogotá's conservative management and credit policies have resulted in healthy asset quality indicators and delinquency ratios that have traditionally been among the region's lowest. During the first quarter of 2014, the bank's 90+ days past due loans as percentage of gross loans of 1.5% and as a percentage of loan loss reserves plus shareholders' equity of 7.5% deteriorated in line with higher than expected past due loans in Reformador. Banco de Bogotá's granularity, measured by top 20 exposures against fully adjusted Tier 1 capital (1.3x as of March 2014) and core earnings (2.3x), is low and could expose the bank to potentially rapid asset quality deterioration, but from very low levels of past due loans.

Banco de Bogotá also has a diversified business profile. In terms of products, 67% of its loans are directed to corporate loans and leases, followed by residential mortgages with 9%, credit cards with 9% and car loans with 3%, as of March 2014.

Furthermore, Banco de Bogotá's operations are based in seven different countries including Colombia (66% of gross loans), Panama (9%), Costa Rica (9%), Guatemala (6%), El Salvador (4%), Honduras (4%) and Nicaragua (3%), as well as a small credit card book in Mexico, as of March 2014. Although the credit ratings of some of these countries are below Colombia's Baa2, there is relatively low correlation among their respective operating environments, adding to the geographic diversification that shields Banco de Bogotá from potential earnings volatility in its home market.

Banco de Bogotá is ultimately family-owned with a complex ownership structure, which increases Moody's evaluation of the bank's risk profile. However, no major issues in terms of corporate governance have been observed in the bank. The bank's related party loans represent 8.2% of fully adjusted Tier 1 capital and eight out of ten board members are considered independent, as of March 2014.

Yet, Banco de Bogotá has a high growth profile and acquisitive strategy in select markets in Latin America and the Caribbean. The announcement of another major acquisition would prompt a reassessment of Banco de Bogotá's ratings. Furthermore, in Colombia and Central America the bank faces tough competition.

Banco de Bogotá's supervisory board and senior executives maintain weekly discussions on risk management, largest credits outstanding, investment portfolios, and price and liquidity risk. Internal limits and operational risk are discussed quarterly. Risk management is institutional and supported by independent risk areas and good risk information systems. The bank's credit and market chief risk officer is independent from business line management yet has no veto power.

CORE DEPOSIT FUNDING AND AMPLE LIQUIDITY

Because of its ample core deposit base in all the markets in which it operates, Banco de Bogotá does not rely on either interbank or capital markets funding. Most of the bank's funding is deposit-based and sourced domestically from customers in local currency, limiting its sensitivity to contagion risks in times of stress or to a negative shift in market sentiment in the event of a sovereign crisis. Banco de Bogotá maintains good liquidity management practices underscored mainly by a deposit-based funding diversified between Colombia and Central America and a comfortable liquidity position. The bank benefits from a broad client base of low cost core deposits (111.0% of gross loans) and ample liquidity (29.0% of total assets), for a liquidity ratio [(market funds - liquid assets)/total

assets] of -9.4%, as of March 2014. Colombian and Central American government securities, which are rated on average Ba1 in local currency, compose the bank's liquid holdings.

Banco de la República offers Colombian banks a Transitory Liquidity Support program for repurchasing loans and securities for up to 15% of deposits, which could aid the bank in a hypothetical liquidity stress.

WELL-ESTABLISHED BANKING FRANCHISE IN COLOMBIA AND CENTRAL AMERICA

Banco de Bogotá has a solid market presence evidenced by its leading lending and deposit market shares in Colombia where it is the second largest bank, and Central America where it is the second largest bank in terms of loans and the largest bank in terms of deposits. Banco de Bogotá maintains a considerable geographic diversification within a macroregion of a GDP of USD576 billion (2013). Founded in 1870, Banco de Bogotá is the oldest bank in Colombia and has a large footprint of 689 branches in Colombia and 494 in Central America, as of year-end 2013.

As part of Grupo Aval, Banco de Bogotá's market presence in Colombia could be bolstered if all of the group's diverse banking units in the network were to be merged. Grupo Aval, owned and controlled by Dr. Luis Carlos Sarmiento Angulo, maintains extensive and dominant holdings in the financial sector. Smaller corporations are aimed by Banco de Occidente, payroll-linked consumer loans and subsovereign financing are aimed by Banco Popular and consumer and mortgages aimed by Banco AV Villas. Grupo Aval banks represent about a third of the Colombian banking system and share the "A Toda Hora" (ATH) banking Network with 3,675 ATMs in Colombia, as of year-end 2013. Grupo Aval is a second line of risk management for its different banks and seeks to enhance synergies and technology use, and provides services to each bank at cost.

Assigned Rating vs. Scorecard Outcome

As a point of reference, Moody's assigns a C- standalone BFSR to Banco de Bogotá, which is one notch below the scorecard-implied rating of C (see table below). Moody's believes the one notch difference incorporates the operating and competitive dynamics in Colombia and Central America, which are not fully reflected in the BFSR scorecard tool.

Global Local Currency Deposit Rating (Joint Default Analysis)

Banco de Bogotá's Baa1 long-term global local currency deposit rating is one notch above the bank's baa2 standalone BCA, mapped from its c- standalone BFSR. The one notch difference reflects Moody's assessment of very high systemic support for Banco de Bogotá's deposits and senior issuances given its important market shares in terms of deposits.

Foreign Currency Deposit Rating

The bank's Baa2/Prime-2 long-/short-term foreign currency deposit rating and Prime-2 short term foreign currency deposit rating, are constrained by Colombia's country ceilings of Baa2/Prime-2.

Foreign Currency Debt Rating

Moody's assigns a Baa1 long term foreign currency debt rating to Banco de Bogotá's five-year USD600 million senior unsecured notes due 15 January 2017 (coupon of 5%). The assigned debt rating is based on Banco de Bogotá's local currency deposit rating of Baa1.

Moody's assigns a Baa3 long term foreign currency subordinated debt rating to Banco de Bogotá's ten-year USD500 million subordinated debt issuance due 19 February 2023 (coupon of 5.375%).

Rating Factors

Banco de Bogota S.A.

Rating Factors [1]	A	B	C	D	E	Total Score	Trend
Qualitative Factors (70%)						C-	
Factor: Franchise Value						C+	Neutral
Market share and sustainability	x						

Geographical diversification			x				
Earnings stability				x			
Earnings Diversification [2]							
Factor: Risk Positioning						C-	Neutral
Corporate Governance [2]				x			
- Ownership and Organizational Complexity	--	--	--	--	--		
- Key Man Risk	--	--	--	--	--		
- Insider and Related-Party Risks	--	--	--	--	--		
Controls and Risk Management		x					
- Risk Management			x				
- Controls	x						
Financial Reporting Transparency		x					
- Global Comparability	x						
- Frequency and Timeliness		x					
- Quality of Financial Information			x				
Credit Risk Concentration	--	--	--	--	--		
- Borrower Concentration	--	--	--	--	--		
- Industry Concentration	--	--	--	--	--		
Liquidity Management			x				
Market Risk Appetite			x				
Factor: Operating Environment						D	Neutral
Economic Stability				x			
Integrity and Corruption				x			
Legal System				x			
Financial Factors (30%)						B	
Factor: Profitability						B+	Weakening
PPI % Average RWA (Basel I)	4.58%						
Net Income % Average RWA (Basel I)		1.89%					
Factor: Liquidity						B	Neutral
(Market Funds - Liquid Assets) % Total Assets	-12.39%						
Liquidity Management			x				
Factor: Capital Adequacy						C+	Weakening
Tier 1 Ratio (%) (Basel I)			6.55%				
Tangible Common Equity % RWA (Basel I)		5.89%					
Factor: Efficiency						C	Neutral
Cost / Income Ratio			58.23%				
Factor: Asset Quality						B+	Neutral
Problem Loans % Gross Loans		1.30%					
Problem Loans % (Equity + LLR)	6.53%						
Lowest Combined Financial Factor Score (9%)						C+	
Economic Insolvency Override						Neutral	
Aggregate BFSR Score						C	
Aggregate BCA Score						a3	
Assigned BFSR						C-	
Assigned BCA						baa2	

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

[2] - A blank score under Earnings Diversification or Corporate Governance indicates the risk is neutral.

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

© 2014 Moody's Corporation, Moody's Investors Service, Inc., Moody's Analytics, Inc. and/or their licensors and affiliates (collectively, "MOODY'S"). All rights reserved.

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

MOODY'S CREDIT RATINGS AND MOODY'S PUBLICATIONS ARE NOT INTENDED FOR USE BY RETAIL INVESTORS AND IT WOULD BE RECKLESS FOR RETAIL INVESTORS TO CONSIDER MOODY'S CREDIT RATINGS OR MOODY'S PUBLICATIONS IN MAKING ANY 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.

All information contained herein is obtained by MOODY'S from sources believed by it to be accurate and reliable. Because of the possibility of human or mechanical error as well as other factors, however, all information contained

herein is provided "AS IS" without warranty of any kind. MOODY'S adopts all necessary measures so that the information it uses in assigning a credit rating is of sufficient quality and from sources MOODY'S considers to be reliable including, when appropriate, independent third-party sources. However, MOODY'S is not an auditor and cannot in every instance independently verify or validate information received in the rating process or in preparing the Moody's Publications.

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

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

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

MIS, 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 MIS have, prior to assignment of any rating, agreed to pay to MIS for appraisal and rating services rendered by it fees ranging from \$1,500 to approximately \$2,500,000. MCO and MIS also maintain policies and procedures to address the independence of MIS's ratings and rating processes. Information regarding certain affiliations that may exist between directors of MCO and rated entities, and between entities who hold ratings from MIS and have also publicly reported to the SEC an ownership interest in MCO of more than 5%, is posted annually at www.moodys.com under the heading "Shareholder Relations — Corporate Governance — Director and Shareholder Affiliation Policy."

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 clients. It would be dangerous for "retail clients" to make any investment decision based on MOODY'S credit rating. If in doubt you should contact your financial or other professional adviser.