

Credit Opinion: SpareBank 1 SR-Bank ASA

Global Credit Research - 06 Mar 2013

Stavanger, Norway

Ratings

Category	Moody's Rating
Outlook	Stable
Bank Deposits	A2/P-1
Bank Financial Strength	C-
Baseline Credit Assessment	(baa2)
Adjusted Baseline Credit Assessment	(baa1)
Issuer Rating	A2
Senior Unsecured	A2
Subordinate	Baa3 (hyb)
Jr Subordinate MTN	(P)Baa3
Pref. Stock Non-cumulative	Ba1 (hyb)

Contacts

Analyst Phone Soline Poulain/London 44.20.7772.5454

Richard (Blake) B. Foster/London

Simon Harris/London

Key Indicators

SpareBank 1 SR-Bank ASA (Consolidated Financials)[1]

	[2] 12-12	[2]12-11	[2]12-10	[2]12-09	[2] 12-08 Avg.
Total Assets (NOK billion)	141.5	131.1	134.8	124.9	125.8 [3] 3.0
Total Assets (EUR million)	19,291.2	16,927.5	17,284.3	15,070.7	12,922.7 [3] 10.5
Total Assets (USD million)	25,433.4	21,974.4	23,187.6	21,622.5	17,963.2 [3] 9.1
Tangible Common Equity (NOK billion)	13.1	9.2	8.9	7.2	5.1 [3] 26.4
Tangible Common Equity (EUR million)	1,788.4	1,193.6	1,144.1	871.4	527.9 [3] 35.7
Tangible Common Equity (USD million)	2,357.8	1,549.4	1,534.8	1,250.3	733.8 [3] 33.9
Net Interest Margin (%)	1.4	1.4	1.4	1.4	1.5 [4] 1.4
PPI / Average RWA (%)	1.6	1.3	1.7	1.8	0.9 [5] 1.5
Net Income / Average RWA (%)	1.3	0.9	1.4	1.3	0.1 [5] 1.0
(Market Funds - Liquid Assets) / Total Assets (%)	36.3	38.1	41.8	44.7	41.0 [4] 40.4
Core Deposits / Average Gross Loans (%)	64.8	61.1	61.7	56.4	56.1 [4] 60.0
Tier 1 Ratio (%)	12.2	10.6	10.2	9.6	6.4 [5] 9.8
Tangible Common Equity / RWA (%)	11.8	9.1	9.6	8.5	5.8 [5] 9.0
Cost / Income Ratio (%)	52.9	60.3	51.5	50.5	66.7 [4] 56.4
Problem Loans / Gross Loans (%)	1.1	1.1	1.1	1.2	1.6 [4] 1.2
Problem Loans / (Equity + Loan Loss Reserves) (%)	8.9	11.0	11.0	12.7	24 .3 [4] 13 .6
Source: Moody's					

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

Opinion

SUMMARY RATING RATIONALE

SpareBank 1 SR-Bank's C- standalone bank financial strength rating (BFSR), which is equivalent to a standalone credit assessment of baa2, primarily reflects the bank's good regional market position and strengthened capital buffer but is constrained by the bank's limited geographic outreach, resulting in high credit risk concentrations, its sizeable exposure to more volatile sectors and its substantial usage of market funds, whose availability and cost largely depends on investor sentiment.

SpareBank 1 SR-Bank's current global local currency (GLC) deposit rating of A2, receives a three-notch uplift from its baa2 standalone credit assessment. This is based on our assessment of a high probability of systemic support for the bank if necessary and its importance to the Norwegian market. Furthermore, we continue to factor in a low probability of support from its membership of the SpareBank 1 Alliance.

Unless otherwise stated, all figures shown are from the bank's annual and interim financial reports.

Rating Drivers

- The bank benefits from a solid regional market position and brand recognition in south-western Norway.
- The bank's reliance on market funding renders it vulnerable to fluctuations in investor sentiment.
- The bank's asset quality has been solid so far but its substantial exposure to the real estate, construction and shipping sectors pose risks. In addition, single-borrower concentration is high, largely reflecting limited geographic reach.
- Its earning profile is supported by resilient core banking operations.
- Its membership in the SpareBank 1 Alliance provides the bank with cross selling opportunities, benefits from shared operations and risk management practices as well as a low probability of support from other member banks.

Rating Outlook

The outlook on all ratings is stable.

What Could Change the Rating - Up

Upward rating momentum could develop if SpareBank 1 SR-Bank demonstrates (1) sustained good asset quality in its retail and corporate loan books, including in the more volatile segments, (2) continued good access to capital markets and improved liquidity position, and/or (3) stronger earnings generation without an increase in its risk profile.

What Could Change the Rating - Down

The ratings could decline if (1) SpareBank 1 SR-Bank's asset quality deteriorates more than we anticipate, (2) financing conditions become more difficult and/or (3) its risk profile increases, for example as a result of increased exposures to more volatile sectors. In addition, we believe that downwards pressure could be exerted on the ratings due to external factors, such as less supportive macroeconomic environment and/or substantially adverse developments in the Norwegian real-estate market.

RECENT CREDIT DEVELOPMENTS

On 4 March 2013, Moody's confirmed the A2 long-term senior debt and deposit ratings of SpareBank 1 SR-Bank, concluding the review for downgrade initiated in December 2012. The rating action reflects our expectation that SpareBank 1 SR-Bank will benefit from some degree of support from other Alliance members. Our assessment of mutual support within the Alliance is underpinned by (1) a coherent Alliance strategy and a strong common brand name; (2) the increased importance for the member banks of the Alliance's joint product companies and covered bond funding companies; and (3) substantial financial inter-linkages between the banks. However, we consider that these elements of support are weaker than more explicit mechanisms in several other co-operative or mutualist groups in Europe and therefore believe that only modest levels of mutual support are available between Alliance members.

DETAILED RATING CONSIDERATIONS

Detailed considerations for SpareBank 1 SR-Bank's currently assigned ratings are as follows:

FRANCHISE - SOUND POSITION IN SOUTH-WESTERN NORWAY

SpareBank 1 SR-Bank has a sound franchise in the county of Rogaland, south-western Norway with 53 branch offices. Moody's estimates the bank has market shares of above 20% for lending and almost 30% for deposits in Rogaland (based on total lending in the county according to Statistics Norway). The bank has also expanded into the neighbouring counties but has a limited national market share at around 3-4%. The franchise value benefits from the bank's membership in the SpareBank 1 Alliance, which consists of 15 savings banks across Norway together representing one of the leading banking groups in Norway. Going forward we expect the bank to be able to maintain a leading position in south-western Norway but note that the Norwegian banking market is highly competitive and that savings banks generally lack pricing power against the two national market leaders. In addition, the limited geographic diversification is a key constraint in our assessment of the franchise value of the bank.

LIQUIDITY - RELIANCE ON MARKET FUNDING

SpareBank 1 SR-Bank benefits from a good deposit base, which represented over half of on-balance-sheet funding at year-end 2012, but nonetheless substantially relies on market funding. Whilst the bank has had good access to domestic and international capital markets so far, we view its reliance on market funding - a common feature at Nordic banks - as a material source of risk because, in times of market stress, market funding can become more expensive or/and restricted.

Covered bonds have become an increasingly important source of funding for the bank; such funding is done off-balance-sheet through specialised companies it jointly owns with other members of the SpareBank 1 Alliance (SpareBank 1 Boligkreditt for residential mortgages and SpareBank 1 Næringskreditt for commercial mortgages). At year-end 2012 the bank had transferred NOK48.2 billion to Sparebank 1 Boligkreditt and NOK0.5 billion to SpareBank 1 Næringskreditt, i.e. around 30% of its total loan book. Whilst we positively view the diversification benefit of covered bond funding, we caution that extensive use of covered bond funding increases the amount of pledged assets unavailable for unsecured bondholders including depositors in a liquidation.

A mitigating factor to the bank's reliance on market funds is its improved liquidity buffer, which according to the bank covers funding needs for 31 months (assuming stable lending and deposit volumes). The liquidity buffer (around NOK21 billion or almost 15% of total assets at year-end 2012) consists mainly of repo eligible covered bonds and other bonds, cash and residential mortgages which can readily be used as collateral for covered bonds.

ASSET QUALITY - CURRENTLY SOUND, BUT EXPOSURES TO VOLATILE SECTORS AND HIGH BORROWER CONCENTRATION POSE DOWNSIDE RISKS

With problem loans amounting for 1.1% of on-balance-sheet loans at year-end 2012, SpareBank 1 SR-Bank asset quality is currently sound. It is underpinned by the bank's relatively well-diversified loan book, which comprised around half of loans to retail customers at year-end 2012 (almost 65% including loans transferred to SpareBank 1 Boligkreditt), mostly in the form of mortgages.

However, the bank has a substantial exposure to the real estate and construction industries (around 25% of on-balance-sheet loans at year-end 2012) and some exposure to shipping (less than 5%). In our view, its exposure to such industries, which we view as typically more volatile, renders the bank vulnerable to a deterioration in the currently good economic conditions in Norway and could potentially result in substantial balance-sheet and profitability stress on the bank. In addition, as most of its Nordic peers, SpareBank 1 SR-Bank has a high borrower concentration, which could accelerate the extent and pace of any deterioration in asset quality.

Whilst the performance in the bank's retail book has been very strong so far, we believe that less favourable interest rate and house price levels, combined with highly indebted Norwegian households, could undermine the bank's retail asset quality - especially as the mortgage loans remaining on the bank's balance sheet have higher loan-to-values than those transferred to the Alliance's covered bond companies.

CAPITAL - STRENGTHENED BUFFER AGAINST POTENTIAL FUTURE CREDIT LOSSES

At year-end 2012, the bank's Tier 1 and total capital ratios (including the transitional floor) stood at 12.1% and 13.1%, respectively. The capital levels were strengthened in June 2012 through a rights issue with proceeds

totalling NOK1.52 billion. Consequently, the bank's total equity increased to 8.9% of total assets at year-end 2012 from 7.4% at year-end 2011 (or to 6.6% from 5.5% including loans transferred to covered bond companies).

We understand that SpareBank 1 SR-Bank will continue to focus on maintaining strong capital levels, in line with the Norwegian authorities' signal that capital requirements for banks should be increased; this will be done primarily through increased margins, improved cost containment and introducing advanced IRB for its corporate loan book. We see the bank's initiatives to enhance its capital buffer against potential future credit losses as credit-positive.

In January 2012, SpareBank 1 SR-Bank was converted into a limited liability company from an equity certificate company. Whilst we positively view the bank's access to a broader the investor base, we caution that, should it be paired with less prudent growth or an increase in risk taking, it could jeopardize the bank's solidity.

PROFITABILITY - IMPROVING LENDING MARGINS

Net interest income continues to be SpareBank 1 SR-Bank's main source of earnings, corresponding to almost 60% of the bank's 2012 operating income. Commission income has been a growing source of earnings, contributing almost 30% of income, largely due to the fact that interest income related to loans transferred to covered bond companies is reported as commission income rather than interest income. Combined growth in net interest income and commissions from covered bond companies was around 13% in 2012, supported by strong loan growth (+8%) and improved lending margins (largely reflecting decreased NIBOR), which more than compensated for the downward pressure on deposit margins. In light of expected higher regulatory capital requirement, we expect SpareBank 1 SR-Bank - and most of the other domestic banks - will increase margins by repricing loans upwards.

The improvement in pre-tax profit at the bank (2012: NOK1,361 million; 2011: NOK1,081 million) has also been supported by continuing low levels of loan loss provisions (NOK137 million in 2012). In addition, SpareBank 1 SR-Bank's cost efficiency remained good in 2012, as reflected by a cost-to-income ratio of just over 50%.

Global Local Currency Deposit Rating (Joint Default Analysis)

Moody's assigns a GLC deposit rating of A2 to SpareBank 1 SR-Bank. Under Moody's Joint Default Analysis, the rating receives a three-notch uplift its baa2 standalone credit assessment. As a result of SpareBank 1 SR-Bank's importance to the region and the region's importance to the national economy of Norway (local currency deposit ceiling of Aaa), Moody's assesses a very high probability of systemic support for the bank from Norway in the event of a stress situation. We are however likely to gradually reduce such unusual support uplift as such support mechanisms are phased out, as banks' stand-alone profiles improve, and as regulators globally consider implementing bank resolution regimes. Furthermore, SpareBank 1 SR-Bank also benefits from a low probability of support from SpareBank 1 Alliance.

Notching Considerations

The ratings for the bank's hybrid obligations are notched off the adjusted standalone credit assessment according to "Moody's Guidelines for Rating Bank Hybrid Securities and Subordinated Debt" released on 17 November 2009.

SpareBank 1 SR-Bank's subordinated (dated) and junior subordinated (undated) debt instruments are rated Baa3(hyb), i.e. two notches below SpareBank 1 SR-Bank's baa1 adjusted standalone credit assessment (which includes one notch of support from the SpareBank 1 Alliance). There is no coupon deferral option for subordinated debt while the issuer remains a going concern but junior subordinated debt features a coupon skip mechanism, which requires coupon suspension on a cumulative basis if a minimum regulatory capital trigger is breached. The wider notching compared to similar instruments issued by banks in other Nordic countries primarily reflects the ability of rated Norwegian issuers such as SpareBank 1 SR-Bank to permanently write-down principal in a going concern scenario if net assets are less than 25% of share capital and after the bank's share capital has been fully written down.

SpareBank 1 SR-Bank's Tier 1 securities are rated Ba1(hyb), i.e. three notches below its adjusted standalone credit assessment. They are deeply subordinated, as they are senior only to equity. The loss absorption for Tier 1 securities stems from the non-cumulative coupon skip mechanism while the issuer remains a going concern. Coupon skip is mandatory upon the breach of minimum regulatory capital requirements or if the issuer does not have sufficient available distributable funds (balance-sheet trigger). The securities also feature a permanent principal write-down if the share capital has been reduced to zero and a temporary principal write-down if capital falls below the regulatory minimum.

The ratings do not include systemic support uplifts, reflecting Moody's view that systemic support for subordinated debt may no longer be sufficiently predictable or reliable to be a sound basis for incorporating uplift into Moody's ratings.

Foreign Currency Deposit Rating

SpareBank 1 SR-Bank's foreign currency deposit rating of A2 is unconstrained given that Norway has a country ceiling of Aaa.

Foreign Currency Debt Rating

SpareBank 1 SR-Bank's foreign currency debt rating of A2 is unconstrained given that Norway has a country ceiling of Aaa.

ABOUT MOODY'S BANK RATINGS

Bank Financial Strength Rating

Moody's Bank Financial Strength Ratings (BFSRs) represent Moody's opinion of a bank's intrinsic safety and soundness and, as such, exclude certain external credit risks and credit support elements that are addressed by Moody's Bank Deposit Ratings. BFSRs do not take into account the probability that the bank will receive such external support, nor do they address risks arising from sovereign actions that may interfere with a bank's ability to honor its domestic or foreign currency obligations. Factors considered in the assignment of BFSRs include bank-specific elements such as financial fundamentals, franchise value, and business and asset diversification. Although BFSRs exclude the external factors specified above, they do take into account other risk factors in the bank's operating environment, including the strength and prospective performance of the economy, as well as the structure and relative fragility of the financial system, and the quality of banking regulation and supervision.

Global Local Currency Deposit Rating

A deposit rating, as an opinion of relative credit risk, incorporates the BFSR as well as Moody's opinion of any external support. Specifically, Moody's Bank Deposit Ratings are opinions of a bank's ability to repay punctually its deposit obligations. As such, they are intended to incorporate those aspects of credit risk relevant to the prospective payment performance of rated banks with respect to deposit obligations, which includes: intrinsic financial strength, sovereign transfer risk (in the case of foreign currency deposit ratings), and both implicit and explicit external support elements. Moody's Bank Deposit Ratings do not take into account the benefit of deposit insurance schemes which make payments to depositors, but they do recognize the potential support from schemes that may provide assistance to banks directly.

According to Moody's joint default analysis (JDA) methodology, the global local currency deposit rating of a bank is determined by the incorporation of external elements of support into the bank's Baseline Credit Assessment. In calculating the Global Local Currency Deposit rating for a bank, the JDA methodology also factors in the rating of the support provider, in the form of the local currency deposit ceiling for a country, Moody's assessment of the probability of systemic support for the bank in the event of a stress situation and the degree of dependence between the issuer rating and the Local Currency Deposit Ceiling.

National Scale Rating

National scale ratings are intended primarily for use by domestic investors and are not comparable to Moody's globally applicable ratings; rather they address relative credit risk within a given country. AAaa rating on Moody's National Scale indicates an issuer or issue with the strongest creditworthiness and the lowest likelihood of credit loss relative to other domestic issuers. National Scale Ratings, therefore, rank domestic issuers relative to each other and not relative to absolute default risks. National ratings isolate systemic risks; they do not address loss expectation associated with systemic events that could affect all issuers, even those that receive the highest ratings on the National Scale.

Foreign Currency Deposit Rating

Moody's ratings on foreign currency bank obligations derive from the bank's local currency rating for the same class of obligation. The implementation of JDA for banks can lead to high local currency ratings for certain banks, which could also produce high foreign currency ratings. Nevertheless, it should be noted that foreign currency deposit ratings are in all cases constrained by the country ceiling for foreign currency bank deposits. This may

result in the assignment of a different, and typically lower, rating for the foreign currency deposits relative to the bank's rating for local currency obligations.

Foreign Currency Debt Rating

Foreign currency debt ratings are derived from the bank's local currency debt rating. In a similar way to foreign currency deposit ratings, foreign currency debt ratings may also be constrained by the country ceiling for foreign currency bonds and notes; however, in some cases the ratings on foreign currency debt obligations may be allowed to pierce the foreign currency ceiling. A particular mix of rating factors are taken into consideration in order to assess whether a foreign currency bond rating pierces the country ceiling. They include the issuer's global local currency rating, the foreign currency government bond rating, the country ceiling for bonds and the debt's eligibility to pierce that ceiling.

About Moody's Bank Financial Strength Scorecard

Moody's bank financial strength model (see scorecard below) is a strategic input in the assessment of the financial strength of a bank, used as a key tool by Moody's analysts to ensure consistency of approach across banks and regions. The model 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 Factors

SpareBank 1 SR-Bank ASA

Rating Factors [1]	Α	В	С	D	E	Total Score	Trend
Qualitative Factors (50%)						C-	
Factor: Franchise Value						D+	Neutral
Market share and sustainability			x				
Geographical diversification					x		
Earnings stability			x				
Earnings Diversification [2]							
Factor: Risk Positioning						D+	Neutral
Corporate Governance [2]	-	-	-	-	-		
- Ownership and Organizational Complexity	-						
- Key Man Risk	-						
- Insider and Related-Party Risks	-						
Controls and Risk Management		x					
- Risk Management			х				
- Controls	х						
Financial Reporting Transparency		х					
- Global Comparability	х						
- Frequency and Timeliness	х						
- Quality of Financial Information			х				
Credit Risk Concentration	-	-	-	-	-		
- Borrower Concentration							
- Industry Concentration							
Liquidity Management				X			
Market Risk Appetite		x					
Factor: Operating Environment						A-	Neutral
Economic Stability		x					
Integrity and Corruption	x						
Legal System	x						
Financial Factors (50%)						С	
Factor: Profitability						С	Neutral
PPI % Average RWA (Basel II)			1.51%				

Net Income % Average RWA (Basel II)			1.21%				
Factor: Liquidity						D-	Weakening
(Market Funds - Liquid Assets) % Total Assets					30.97%		
Liquidity Management				Х			
Factor: Capital Adequacy						Α	Neutral
Tier 1 Ratio (%) (Basel II)	10.99%						
Tangible Common Equity % RWA (Basel II)	10.17%						
Factor: Efficiency						В	Neutral
Cost / Income Ratio		54.90%					
Factor: Asset Quality						В	Weakening
Problem Loans % Gross Loans		1.12%					
Problem Loans % (Equity + LLR)		10.31%					
Lowest Combined Financial Factor Score (15%)						D-	
Economic Insolvency Override						Neutral	
Aggregate BFSR Score						С	
Aggregate BCA Score			•			a3	
Assigned BFSR			•			Ċ	
Assigned BCA			•			baa1	

- [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.



© 2013 Moody's Investors Service, Inc. and/or its 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 PUBLICATIONS") 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. 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 MAKE ITS OWN STUDY AND EVALUATION OF EACH SECURITY THAT IS UNDER CONSIDERATION FOR PURCHASE, HOLDING, OR SALE.

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. Under no circumstances shall MOODY'S have any liability to any person or entity for (a) any loss or damage in whole or in part caused by, resulting from, or relating to, any error (negligent or otherwise) or other circumstance or contingency within or outside the control of MOODY'S or any of its directors, officers, employees or agents in connection with the procurement, collection, compilation, analysis, interpretation, communication, publication or delivery of any such information, or (b) any direct, indirect, special, consequential, compensatory or incidental damages whatsoever (including without limitation, lost profits), even if MOODY'S is advised in advance of the possibility of such damages, resulting from the use of or inability to use, any such information. The ratings, financial reporting analysis, projections, and other observations, if any, constituting part of the information contained herein are, and must be construed solely as, statements of opinion and not statements of fact or recommendations to purchase, sell or hold any securities. Each user of the information contained herein must make its own study and evaluation of each security it may consider purchasing, holding or selling. 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.