

Macquarie Group Limited

Update

Key Rating Drivers

Low Double Leverage: Fitch Ratings aligns Macquarie Group Limited’s (MGL) ratings with the consolidated group assessment to reflect modest common equity double leverage and sound liquidity management. We expect MGL's double leverage ratio to be managed below 120% and for liquidity management at the operating and bank holding company level to remain strong.

Internationally Diversified Operations: We take a blended approach to assign operating environment scores for MGL, given the extensive international operations. MGL's score reflects the heavy weighting of its assets and exposures in jurisdictions where we score the operating environment in the 'aa' range.

Annuity-Style Business Improves Stability: MGL's business model and earnings stability have improved over the past decade, driven by growth in banking operations and Macquarie Asset Management, which generates substantial fees on assets under management.

We expect Macquarie Bank Limited (MBL, A+/Stable/a) to continue expanding market share in Australian lending and deposits, maintaining its strong position among domestic banks outside the four majors. Mortgage growth is focused on low-risk segments without compromising underwriting standards, which should support MBL's financial profile through economic cycles.

Robust Risk-Control Framework: MGL's centralised risk management framework and oversight of its subsidiaries through a dedicated risk group have underpinned a strong risk-management culture and robust financial outcomes over a sustained period. This offsets the group's larger risk appetite than at most other Australian banking groups.

Moderate Asset Quality Weakening: We expect asset quality at MGL to deteriorate modestly in 2025, driven by the impact of high interest rates, a subdued operating environment and rising unemployment. We forecast MGL's stage 3 loan/gross loan ratio peaking at around 1.7% before improving in 2026.

Diversified Earnings Profile: The diversity of MGL's operations and revenue has supported sound profitability for an extended period and we expect this trend to continue. The group's earnings in the first half of the financial year ending March 2025 (FY25) were broadly consistent with our forecasts and we expect the second half to be stronger on continued loan growth and higher transaction volumes. We anticipate earnings to be broadly consistent with FY24 as customer and loan growth offset some margin compression.

Robust Capital Buffers: We expect capital ratios to remain sound and continue to support the 'a' factor score for MGL. MGL's capital surplus to regulatory minimums was AUD9.8 billion, or about 34% above the regulatory requirement, at end-1H FY25. MGL does not report a common equity Tier 1 ratio, so we place greater weight on other capitalisation metrics, such as tangible common equity/tangible assets, to assess the group's capitalisation and leverage.

Sound Liquidity Management: We expect funding and liquidity to remain well managed for the group over the next 12 months. MGL's strong liquidity management offsets some of the risk stemming from a greater reliance on wholesale funding than at international peers.

Ratings

Foreign Currency	
Long-Term IDR	A
Short-Term IDR	F1

Viability Rating	a
Government Support Rating	ns

Sovereign Risk	
Long-Term Foreign-Currency IDR	AAA
Long-Term Local-Currency IDR	AAA
Country Ceiling	AAA

Outlooks	
Long-Term Foreign-Currency IDR	Stable
Sovereign Long-Term Foreign-Currency IDR	Stable
Sovereign Long-Term Local-Currency IDR	Stable

Highest ESG Relevance Scores	
Environmental	2
Social	3
Governance	3

Applicable Criteria

- Non-Bank Financial Institutions Rating Criteria (January 2025)
- Bank Rating Criteria (March 2024)

Related Research

- Global Economic Outlook (December 2024)
- DM100 Banks Tracker (December 2024)
- Macquarie Group Limited (October 2024)
- Macquarie Bank Limited (October 2024)
- Fitch Affirms Macquarie Group at 'A' and Macquarie Bank at 'A+'; Outlook Stable (September 2024)

Analysts

Jack Do
+61 2 8256 0355
jack.do@fitchratings.com

Tim Roche
+61 2 8256 0310
tim.roche@fitchratings.com

Rating Sensitivities

Factors that Could, Individually or Collectively, Lead to Negative Rating Action/Downgrade

MGL's ratings may be downgraded if the common equity double leverage exceeds 120% for a sustained period, although Fitch does not expect this to occur.

MGL's VR and Long-Term IDR are sensitive to the same factors as MBL's ratings, as a downgrade at MBL could result in an overall weaker consolidated group rating to which MGL is aligned.

A downgrade of MGL's Short-Term IDR to 'F2' would require the Long-Term IDR to be downgraded by at least two notches to 'BBB+' or by one notch to 'A-' combined with the funding and liquidity score also being lowered to at least 'a-'.

Factors that Could, Individually or Collectively, Lead to Positive Rating Action/Upgrade

MGL's ratings are broadly sensitive to similar factors as MBL's VR, as an upgrade of MBL's VR could result in a higher consolidated group rating to which MGL is aligned.

Other Debt and Issuer Ratings

Rating level	Rating	Outlook
Senior unsecured: long term	A	n.a.
Senior unsecured: short term	F1	n.a.

Source: Fitch Ratings

Senior Unsecured

MGL's senior debt ratings are equalised with its IDRs, as there is a large buffer of holding company senior debt and group junior debt, which exceeds 10% of Fitch's estimated group risk-weighted assets. Moreover, MGL has highly diversified and reasonably sized subsidiaries.

Short-Term IDR

The Short-Term IDR of MGL is at the lower of the two options available at a Long-Term IDR of 'A', because the 'a' funding and liquidity score is lower than the minimum 'aa-' score to achieve the higher option of 'F1+'.

Factors that Could, Individually or Collectively, Lead to Negative Rating Action/Downgrade

Short-Term IDR

A downgrade of MGL's Short-Term IDR would occur if the Long-Term IDR is downgraded to 'A-' or below and the funding and liquidity score is revised to below 'a'.

Senior Unsecured Instruments

MGL's senior unsecured instrument ratings would be downgraded if its IDRs were downgraded. MGL's senior debt ratings are also sensitive to a significant reduction in its bank holding company senior and group junior debt buffers.

Factors that Could, Individually or Collectively, Lead to Positive Rating Action/Upgrade

Short-Term IDR

MGL's Short-Term IDR could be upgraded if the Long-Term IDR is upgraded to 'AA-', or the funding and liquidity score is revised to 'aa-' or above if there is no change to the Long-Term IDR.

Senior Unsecured Instruments

The long-term senior unsecured instrument ratings will be upgraded if MGL's Long-Term IDR is upgraded.

Ratings Navigator

Macquarie Group Limited

ESG Relevance:


Banks
Ratings Navigator

	Operating Environment	Business Profile	Risk Profile	Financial Profile			Implied Viability Rating	Viability Rating	Government Support	Issuer Default Rating
				Asset Quality	Earnings & Profitability	Capitalisation & Leverage				
		20%	10%	20%	15%	25%	10%			
aaa							aaa	aaa	aaa	AAA
aa+							aa+	aa+	aa+	AA+
aa							aa	aa	aa	AA
aa-							aa-	aa-	aa-	AA-
a+							a+	a+	a+	A+
a							a	a	a	A Sta
a-							a-	a-	a-	A-
bbb+							bbb+	bbb+	bbb+	BBB+
bbb							bbb	bbb	bbb	BBB
bbb-							bbb-	bbb-	bbb-	BBB-
bb+							bb+	bb+	bb+	BB+
bb							bb	bb	bb	BB
bb-							bb-	bb-	bb-	BB-
b+							b+	b+	b+	B+
b							b	b	b	B
b-							b-	b-	b-	B-
ccc+							ccc+	ccc+	ccc+	CCC+
ccc							ccc	ccc	ccc	CCC
ccc-							ccc-	ccc-	ccc-	CCC-
cc							cc	cc	cc	CC
c							c	c	c	C
f							f	f	ns	D or RD

The Key Rating Driver (KRD) weightings used to determine the implied VR are shown as percentages at the top. In cases where the implied VR is adjusted upwards or downwards to arrive at the VR, the KRD associated with the adjustment reason is highlighted in red. The shaded areas indicate the benchmark-implied scores for each KRD.

There is no implied range for the earnings and profitability and capitalisation and leverage KRDs because risk-weighted assets are not reported by MGL. We have assessed these KRDs based on other complementary metrics rather than the core metrics of operating profit/risk-weighted assets and the common equity Tier 1 ratio.

Financials

Summary Financials

	30 Sep 24		31 Mar 24	31 Mar 23	31 Mar 22
	6 months - interim (USDm)	6 months - interim (AUDm)	Year end (AUDm)	Year end (AUDm)	Year end (AUDm)
	Reviewed - unqualified	Reviewed - unqualified	Audited - unqualified	Audited - unqualified	Audited - unqualified
Summary income statement					
Net interest and dividend income	1,157	1,669.0	3,459.0	3,028.0	2,860.0
Net fees and commissions	2,288	3,300.0	5,178.0	5,530.0	5,858.0
Other operating income	2,303	3,322.0	6,810.0	9,583.0	5,297.0
Total operating income	5,747	8,291.0	15,447.0	18,141.0	14,015.0
Operating costs	4,122	5,947.0	11,018.0	11,121.0	9,835.0
Pre-impairment operating profit	1,625	2,344.0	4,429.0	7,020.0	4,180.0
Loan and other impairment charges	30	43.0	-134.0	388.0	250.0
Operating profit	1,595	2,301.0	4,563.0	6,632.0	3,930.0
Other non-operating items (net)	-3	-4.0	263.0	360.0	2,609.0
Tax	476	686.0	1,291.0	1,824.0	1,586.0
Net income	1,117	1,611.0	3,535.0	5,168.0	4,953.0
Other comprehensive income	-523	-755.0	350.0	1,623.0	52.0
Fitch comprehensive income	593	856.0	3,885.0	6,791.0	5,005.0
Summary balance sheet					
Assets					
Gross loans	130,469	188,213.0	177,586.0	159,888.0	135,775.0
- Of which impaired	1,345	1,940.0	2,762.0	2,025.0	1,644.0
Loan loss allowances	796	1,149.0	1,215.0	1,316.0	1,031.0
Net loans	129,673	187,064.0	176,371.0	158,572.0	134,744.0
Interbank	n.a.	n.a.	n.a.	n.a.	n.a.
Derivatives	16,536	23,855.0	24,067.0	36,114.0	84,891.0
Other securities and earning assets	89,051	128,464.0	116,088.0	99,569.0	81,275.0
Total earning assets	235,260	339,383.0	316,526.0	294,255.0	300,910.0
Cash and due from banks	13,246	19,109.0	31,855.0	45,656.0	52,754.0
Other assets	38,697	55,823.0	55,023.0	47,961.0	45,512.0
Total assets	287,203	414,315.0	403,404.0	387,872.0	399,176.0
Liabilities					
Customer deposits	109,853	158,472.0	148,416.0	134,714.0	101,667.0
Interbank and other short-term funding	28,084	40,513.0	39,957.0	44,477.0	16,947.0
Other long-term funding	64,545	93,111.0	100,859.0	90,845.0	118,021.0
Trading liabilities and derivatives	19,115	27,575.0	30,629.0	37,600.0	89,754.0
Total funding and derivatives	221,596	319,671.0	319,861.0	307,636.0	326,389.0
Other liabilities	31,568	45,539.0	43,685.0	40,363.0	39,066.0
Preference shares and hybrid capital	11,279	16,271.0	5,862.0	5,767.0	4,915.0
Total equity	22,761	32,834.0	33,996.0	34,106.0	28,806.0
Total liabilities and equity	287,203	414,315.0	403,404.0	387,872.0	399,176.0
Exchange rate		USD1 = AUD1.442585	USD1 = AUD1.530925	USD1 = AUD1.489869	USD1 = AUD1.336541

Note: Stage 3 loans not reported for first half to 30 September 2024; impaired loans used instead.
Source: Fitch Ratings, Fitch Solutions, MGL

Key Ratios

	30 Sep 24	31 Mar 24	31 Mar 23	31 Mar 22
Ratios (% , annualised as appropriate)				
Profitability				
Operating profit/risk-weighted assets	n.a.	n.a.	n.a.	n.a.
Net interest income/average earning assets	1.0	1.1	0.9	1.1
Non-interest expense/gross revenue	74.9	73.9	67.6	72.4
Net income/average equity	9.6	10.5	16.4	19.7
Asset quality				
Impaired loans ratio	1.0	1.6	1.3	1.2
Growth in gross loans	6.0	11.1	17.8	27.9
Loan loss allowances/impaired loans	59.2	44.0	65.0	62.7
Loan impairment charges/average gross loans	0.1	-0.1	0.2	0.1
Capitalisation				
Common equity tier 1 ratio	n.a.	n.a.	n.a.	n.a.
Fully loaded common equity tier 1 ratio	n.a.	n.a.	n.a.	n.a.
Fitch core capital ratio	n.a.	n.a.	n.a.	n.a.
Tangible common equity/tangible assets	6.8	7.1	7.5	6.0
Basel leverage ratio	n.a.	n.a.	n.a.	n.a.
Net impaired loans/common equity tier 1	n.a.	n.a.	n.a.	n.a.
Net impaired loans/fitch core capital	n.a.	n.a.	n.a.	n.a.
Funding and liquidity				
Gross loans/customer deposits	118.8	119.7	118.7	133.6
Gross loans/customer deposits + covered bonds	n.a.	n.a.	n.a.	n.a.
Liquidity coverage ratio	n.a.	n.a.	n.a.	n.a.
Customer deposits/total non-equity funding	50.5	49.5	48.0	41.2
Net stable funding ratio	n.a.	n.a.	n.a.	n.a.

Note: Stage 3 loans not reported for first half to 30 September 2024; impaired loans used instead.

Source: Fitch Ratings, Fitch Solutions, MGL

Support Assessment

Commercial Banks: Government Support	
Typical D-SIB GSR for sovereign's rating level (assuming high propensity)	a+ to a-
Actual jurisdiction D-SIB GSR	a
Government Support Rating	ns
Government ability to support D-SIBs	
Sovereign Rating	AAA/ Stable
Size of banking system	Negative
Structure of banking system	Negative
Sovereign financial flexibility (for rating level)	Positive
Government propensity to support D-SIBs	
Resolution legislation	Neutral
Support stance	Neutral
Government propensity to support bank	
Systemic importance	Negative
Liability structure	Negative
Ownership	Neutral

The colours indicate the weighting of each KRD in the assessment.

Higher influence Moderate influence Lower influence

MGL's Government Support Rating (GSR) of 'ns' (no support) reflects our view that there is no reasonable assumption that support will be forthcoming from the Australian authorities. We believe that if support were provided to the group, it would most likely be through the regulated bank, MBL.

Subsidiaries and Affiliates

Macquarie Financial Limited's (MFHL) Long-Term IDR, which is driven by its Shareholder Support Rating (SSR), is equalised with that of its direct parent, MGL. MFHL's SSR reflects its status as a key and integral part of the group's business, undertaking core non-banking activities. In addition, if MFHL were to default, it would have a huge impact on the reputation of MGL and damage the group's franchise.

Factors that Could, Individually or Collectively, Lead to Negative Rating Action/Downgrade

A downgrade in the IDRs of MGL would be reflected in the IDRs of MFHL, assuming no change to Fitch's assumption around the propensity of support. In addition, a reduction in the role and relevance of MFHL to the group could lead to a downward revision of its SSR and therefore IDR.

Factors that Could, Individually or Collectively, Lead to Positive Rating Action/Upgrade

An upgrade in the IDRs of MGL would be reflected in the IDRs of MFHL, assuming no change to our assumption around the propensity of support.

Environmental, Social and Governance Considerations

FitchRatings Macquarie Group Limited

Banks
Ratings Navigator

Credit-Relevant ESG Derivation

ESG Relevance to
Credit Rating

<p>Macquarie Group Limited has 5 ESG potential rating drivers</p> <ul style="list-style-type: none"> ➔ Macquarie Group Limited has exposure to compliance risks including fair lending practices, mis-selling, repossession/foreclosure practices, consumer data protection (data security) but this has very low impact on the rating. ➔ Governance is minimally relevant to the rating and is not currently a driver. 	key driver	0	issues	5	
	driver	0	issues	4	
	potential driver	5	issues	3	
	not a rating driver	4	issues	2	
		5	issues	1	

Environmental (E) Relevance Scores

General Issues	E Score	Sector-Specific Issues	Reference	E Relevance	
GHG Emissions & Air Quality	1	n.a.	n.a.	5	
Energy Management	1	n.a.	n.a.	4	
Water & Wastewater Management	1	n.a.	n.a.	3	
Waste & Hazardous Materials Management; Ecological Impacts	1	n.a.	n.a.	2	
Exposure to Environmental Impacts	2	Impact of extreme weather events on assets and/or operations and corresponding risk appetite & management; catastrophe risk; credit concentrations	Business Profile (incl. Management & governance); Risk Profile; Asset Quality	1	

How to Read This Page
ESG relevance scores range from 1 to 5 based on a 15-level color gradation. Red (5) is most relevant to the credit rating and green (1) is least relevant.

The Environmental (E), Social (S) and Governance (G) tables break out the ESG general issues and the sector-specific issues that are most relevant to each industry group. Relevance scores are assigned to each sector-specific issue, signaling the credit-relevance of the sector-specific issues to the issuer's overall credit rating. The Criteria Reference column highlights the factor(s) within which the corresponding ESG issues are captured in Fitch's credit analysis. The vertical color bars are visualizations of the frequency of occurrence of the highest constituent relevance scores. They do not represent an aggregate of the relevance scores or aggregate ESG credit relevance.

The Credit-Relevant ESG Derivation table's far right column is a visualization of the frequency of occurrence of the highest ESG relevance scores across the combined E, S and G categories. The three columns to the left of ESG Relevance to Credit Rating summarize rating relevance and impact to credit from ESG issues. The box on the far left identifies any ESG Relevance Sub-factor issues that are drivers or potential drivers of the issuer's credit rating (corresponding with scores of 3, 4 or 5) and provides a brief explanation for the relevance score. All scores of '4' and '5' are assumed to reflect a negative impact unless indicated with a '+' sign for positive impact. Scores of 3, 4 or 5 and provides a brief explanation for the score.

Social (S) Relevance Scores

General Issues	S Score	Sector-Specific Issues	Reference	S Relevance	
Human Rights, Community Relations, Access & Affordability	2	Services for underbanked and underserved communities: SME and community development programs; financial literacy programs	Business Profile (incl. Management & governance); Risk Profile	5	
Customer Welfare - Fair Messaging, Privacy & Data Security	3	Compliance risks including fair lending practices, mis-selling, repossession/foreclosure practices, consumer data protection (data security)	Operating Environment; Business Profile (incl. Management & governance); Risk Profile	4	
Labor Relations & Practices	2	Impact of labor negotiations, including board/employee compensation and composition	Business Profile (incl. Management & governance)	3	
Employee Wellbeing	1	n.a.	n.a.	2	
Exposure to Social Impacts	2	Shift in social or consumer preferences as a result of an institution's social positions, or social and/or political disapproval of core banking practices	Business Profile (incl. Management & governance); Financial Profile	1	

Classification of ESG issues has been developed from Fitch's sector ratings criteria. The General Issues and Sector-Specific Issues draw on the classification standards published by the United Nations Principles for Responsible Investing (PRI), the Sustainability Accounting Standards Board (SASB), and the World Bank.

Governance (G) Relevance Scores

General Issues	G Score	Sector-Specific Issues	Reference	G Relevance		CREDIT-RELEVANT ESG SCALE How relevant are E, S and G issues to the overall credit rating?
Management Strategy	3	Operational implementation of strategy	Business Profile (incl. Management & governance)	5		5 Highly relevant, a key rating driver that has a significant impact on the rating on an individual basis. Equivalent to "higher" relative importance within Navigator.
Governance Structure	3	Board independence and effectiveness; ownership concentration; protection of creditor/stakeholder rights; legal/compliance risks; business continuity; key person risk; related party transactions	Business Profile (incl. Management & governance); Earnings & Profitability; Capitalisation & Leverage	4		4 Relevant to rating, not a key rating driver but has an impact on the rating in combination with other factors. Equivalent to "moderate" relative importance within Navigator.
Group Structure	3	Organizational structure; appropriateness relative to business model; opacity; intra-group dynamics; ownership	Business Profile (incl. Management & governance)	3		3 Minimally relevant to rating, either very low impact or actively managed in a way that results in no impact on the entity rating. Equivalent to "lower" relative importance within Navigator.
Financial Transparency	3	Quality and frequency of financial reporting and auditing processes	Business Profile (incl. Management & governance)	2		2 Irrelevant to the entity rating but relevant to the sector.
				1		1 Irrelevant to the entity rating and irrelevant to the sector.

The highest level of ESG credit relevance is a score of '3', unless otherwise disclosed in this section. A score of '3' means ESG issues are credit-neutral or have only a minimal credit impact on the entity, either due to their nature or the way in which they are being managed by the entity. Fitch's ESG Relevance Scores are not inputs in the rating process; they are an observation on the relevance and materiality of ESG factors in the rating decision. For more information on Fitch's ESG Relevance Scores, visit <https://www.fitchratings.com/topics/esg/products#esg-relevance-scores>.

SOLICITATION & PARTICIPATION STATUS

For information on the solicitation status of the ratings included within this report, please refer to the solicitation status shown in the relevant entity's summary page of the Fitch Ratings website.

For information on the participation status in the rating process of an issuer listed in this report, please refer to the most recent rating action commentary for the relevant issuer, available on the Fitch Ratings website.

DISCLAIMER & DISCLOSURES

All Fitch Ratings (Fitch) credit ratings are subject to certain limitations and disclaimers. Please read these limitations and disclaimers by following this link: <https://www.fitchratings.com/understandingcreditratings>. In addition, the following <https://www.fitchratings.com/rating-definitions-document> details Fitch's rating definitions for each rating scale and rating categories, including definitions relating to default. Published ratings, criteria, and methodologies are available from this site at all times. Fitch's code of conduct, confidentiality, conflicts of interest, affiliate firewall, compliance, and other relevant policies and procedures are also available from the Code of Conduct section of this site. Directors and shareholders' relevant interests are available at <https://www.fitchratings.com/site/regulatory>. Fitch may have provided another permissible or ancillary service to the rated entity or its related third parties. Details of permissible or ancillary service(s) for which the lead analyst is based in an ESMA- or FCA-registered Fitch Ratings company (or branch of such a company) can be found on the entity summary page for this issuer on the Fitch Ratings website.

In issuing and maintaining its ratings and in making other reports (including forecast information), Fitch relies on factual information it receives from issuers and underwriters and from other sources Fitch believes to be credible. Fitch conducts a reasonable investigation of the factual information relied upon by it in accordance with its ratings methodology, and obtains reasonable verification of that information from independent sources, to the extent such sources are available for a given security or in a given jurisdiction. The manner of Fitch's factual investigation and the scope of the third-party verification it obtains will vary depending on the nature of the rated security and its issuer, the requirements and practices in the jurisdiction in which the rated security is offered and sold and/or the issuer is located, the availability and nature of relevant public information, access to the management of the issuer and its advisers, the availability of pre-existing third-party verifications such as audit reports, agreed-upon procedures letters, appraisals, actuarial reports, engineering reports, legal opinions and other reports provided by third parties, the availability of independent and competent third-party verification sources with respect to the particular security or in the particular jurisdiction of the issuer, and a variety of other factors. Users of Fitch's ratings and reports should understand that neither an enhanced factual investigation nor any third-party verification can ensure that all of the information Fitch relies on in connection with a rating or a report will be accurate and complete. Ultimately, the issuer and its advisers are responsible for the accuracy of the information they provide to Fitch and to the market in offering documents and other reports. In issuing its ratings and its reports, Fitch must rely on the work of experts, including independent auditors with respect to financial statements and attorneys with respect to legal and tax matters. Further, ratings and forecasts of financial and other information are inherently forward-looking and embody assumptions and predictions about future events that by their nature cannot be verified as facts. As a result, despite any verification of current facts, ratings and forecasts can be affected by future events or conditions that were not anticipated at the time a rating or forecast was issued or affirmed. Fitch Ratings makes routine, commonly-accepted adjustments to reported financial data in accordance with the relevant criteria and/or industry standards to provide financial metric consistency for entities in the same sector or asset class.

The information in this report is provided "as is" without any representation or warranty of any kind, and Fitch does not represent or warrant that the report or any of its contents will meet any of the requirements of a recipient of the report. A Fitch rating is an opinion as to the creditworthiness of a security. This opinion and reports made by Fitch are based on established criteria and methodologies that Fitch is continuously evaluating and updating. Therefore, ratings and reports are the collective work product of Fitch and no individual, or group of individuals, is solely responsible for a rating or a report. The rating does not address the risk of loss due to risks other than credit risk, unless such risk is specifically mentioned. Fitch is not engaged in the offer or sale of any security. All Fitch reports have shared authorship. Individuals identified in a Fitch report were involved in, but are not solely responsible for, the opinions stated therein. The individuals are named for contact purposes only. A report providing a Fitch rating is neither a prospectus nor a substitute for the information assembled, verified and presented to investors by the issuer and its agents in connection with the sale of the securities. Ratings may be changed or withdrawn at any time for any reason in the sole discretion of Fitch. Fitch does not provide investment advice of any sort. Ratings are not a recommendation to buy, sell, or hold any security. Ratings do not comment on the adequacy of market price, the suitability of any security for a particular investor, or the tax-exempt nature or taxability of payments made in respect to any security. Fitch receives fees from issuers, insurers, guarantors, other obligors, and underwriters for rating securities. Such fees generally vary from US\$1,000 to US\$750,000 (or the applicable currency equivalent) per issue. In certain cases, Fitch will rate all or a number of issues issued by a particular issuer, or insured or guaranteed by a particular insurer or guarantor, for a single annual fee. Such fees are expected to vary from US\$10,000 to US\$1,500,000 (or the applicable currency equivalent). The assignment, publication, or dissemination of a rating by Fitch shall not constitute a consent by Fitch to use its name as an expert in connection with any registration statement filed under the United States securities laws, the Financial Services and Markets Act of 2000 of the United Kingdom, or the securities laws of any particular jurisdiction. Due to the relative efficiency of electronic publishing and distribution, Fitch research may be available to electronic subscribers up to three days earlier than to print subscribers.

For Australia, New Zealand, Taiwan and South Korea only: Fitch Australia Pty Ltd holds an Australian financial services license (AFS license no. 337123) which authorizes it to provide credit ratings to wholesale clients only. Credit ratings information published by Fitch is not intended to be used by persons who are retail clients within the meaning of the Corporations Act 2001.

Fitch Ratings, Inc. is registered with the U.S. Securities and Exchange Commission as a Nationally Recognized Statistical Rating Organization (the "NRSRO"). While certain of the NRSRO's credit rating subsidiaries are listed on Item 3 of Form NRSRO and as such are authorized to issue credit ratings on behalf of the NRSRO (see <https://www.fitchratings.com/site/regulatory>), other credit rating subsidiaries are not listed on Form NRSRO (the "non-NRSROs") and therefore credit ratings issued by those subsidiaries are not issued on behalf of the NRSRO. However, non-NRSRO personnel may participate in determining credit ratings issued by or on behalf of the NRSRO.

Copyright © 2025 by Fitch Ratings, Inc., Fitch Ratings Ltd. and its subsidiaries. 33 Whitehall Street, NY, NY 10004. Telephone: 1-800-753-4824, (212) 908-0500. Reproduction or retransmission in whole or in part is prohibited except by permission. All rights reserved.