



First Quarter 2023 Earnings Call



Disclaimer

Certain statements contained in this document are forward-looking statements and are based on future expectations, plans and prospects for Moody's business and operations that involve a number of risks and uncertainties. Such statements involve estimates, projections, goals, forecasts, assumptions and uncertainties that could cause actual results or outcomes to differ materially from those contemplated, expressed, projected, anticipated or implied in the forward-looking statements. Stockholders and investors are cautioned not to place undue reliance on these forward-looking statements. The forward-looking statements and other information in this document are made as of the date hereof, and Moody's undertakes no obligation (nor does it intend) to publicly supplement, update or revise such statements on a going-forward basis, whether as a result of subsequent developments, changed expectations or otherwise, except as required by applicable law or regulation. In connection with the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995, Moody's is identifying certain factors that could cause actual results to differ, perhaps materially, from those indicated by these forward-looking statements. Those factors, risks and uncertainties include, but are not limited to: the impact of current economic conditions, including capital market disruptions, inflation and related monetary policy actions by governments in response to inflation, on worldwide credit markets and on economic activity, including on the volume of mergers and acquisitions, and their effects on the volume of debt and other securities issued in domestic and/or global capital markets; the uncertain effectiveness and possible collateral consequences of U.S. and foreign government initiatives and monetary policy to respond to the current economic climate, including instability of financial institutions, credit quality concerns, and other potential impacts of volatility in financial and credit markets; the global impact of the Russia - Ukraine military conflict on volatility in world financial markets, on general economic conditions and GDP in the U.S. and worldwide, on global relations and on the Company's own operations and personnel; other matters that could affect the volume of debt and other securities issued in domestic and/or global capital markets, including regulation, increased utilization of technologies that have the potential to intensify competition and accelerate disruption and disintermediation in the financial services industry, as well as the number of issuances of securities without ratings or securities which are rated or evaluated by non-traditional parties; the level of merger and acquisition activity in the U.S. and abroad; the uncertain effectiveness and possible collateral consequences of U.S. and foreign government actions affecting credit markets, international trade and economic policy, including those related to tariffs, tax agreements and trade barriers; the impact of MIS's withdrawal of its credit ratings on countries or entities within countries and of Moody's no longer conducting commercial operations in countries where political instability warrants such action; concerns in the marketplace affecting our credibility or otherwise affecting market perceptions of the integrity or utility of independent credit agency ratings; the introduction of competing products or technologies by other companies; pricing pressure from competitors and/or customers; the level of success of new product development and global expansion; the impact of regulation as an NRSRO, the potential for new U.S., state and local legislation and regulations; the potential for increased competition and regulation in the EU and other foreign jurisdictions; exposure to litigation related to our rating opinions, as well as any other litigation, government and regulatory proceedings, investigations and inquiries to which Moody's may be subject from time to time; provisions in U.S. legislation modifying the pleading standards and EU regulations modifying the liability standards applicable to credit rating agencies in a manner adverse to credit rating agencies; provisions of EU regulations imposing additional procedural and substantive requirements on the pricing of services and the expansion of supervisory remit to include non-EU ratings used for regulatory purposes; uncertainty regarding the future relationship between the U.S. and China; the possible loss of key employees and the impact of the global labor environment; failures or malfunctions of our operations and infrastructure; any vulnerabilities to cyber threats or other cybersecurity concerns; the timing and effectiveness of our restructuring programs, such as the 2022 - 2023 Geolocation Restructuring Program; currency and foreign exchange volatility; the outcome of any review by controlling tax authorities of Moody's global tax planning initiatives; exposure to potential criminal sanctions or civil remedies if Moody's fails to comply with foreign and U.S. laws and regulations that are applicable in the jurisdictions in which Moody's operates, including data protection and privacy laws, sanctions laws, anti-corruption laws, and local laws prohibiting corrupt payments to government officials; the impact of mergers, acquisitions, such as our acquisition of RMS, or other business combinations and the ability of Moody's to successfully integrate acquired businesses; the level of future cash flows; the levels of capital investments; and a decline in the demand for credit risk management tools by financial institutions. These factors, risks and uncertainties as well as other risks and uncertainties that could cause Moody's actual results to differ materially from those contemplated, expressed, projected, anticipated or implied in the forward-looking statements are described in greater detail under "Risk Factors" in Part I, Item 1A of Moody's annual report on Form 10-K for the year ended December 31, 2022, and in other filings made by the Company from time to time with the SEC or in materials incorporated herein or therein. Stockholders and investors are cautioned that the occurrence of any of these factors, risks and uncertainties may cause the Company's actual results to differ materially from those contemplated, expressed, projected, anticipated or implied in the forward-looking statements, which could have a material and adverse effect on the Company's business, results of operations and financial condition. New factors may emerge from time to time, and it is not possible for the Company to predict new factors, nor can the Company assess the potential effect of any new factors on it. Forward-looking and other statements in this document may also address our corporate responsibility progress, plans, and goals (including sustainability and environmental matters), and the inclusion of such statements is not an indication that these contents are necessarily material to investors or required to be disclosed in the Company's filings with the Securities and Exchange Commission. In addition, historical, current, and forward-looking sustainability-related statements may be based on standards for measuring progress that are still developing, internal controls and processes that continue to evolve, and assumptions that are subject to change in the future.



Key Takeaways

- MA delivered **ARR**¹ **growth of 10%** as robust demand continues for **MA's mission-critical data**, analytics, and solutions
- Strong investment grade activity driven by high-quality issuers; MIS adjusted operating margin of 56.8% reflects recent actions taken to improve operational leverage
- Balancing expense efficiency initiatives with ongoing organic investment in high-growth markets, technology, and innovation
- Raising FY 2023 adjusted diluted EPS guidance² range to \$9.50 \$10.00; long-term MIS revenue growth fundamentals remain intact

^{1.} ARR: Annualized Recurring Revenue. ARR growth as of March 31, 2023. Refer to the Appendix for the definition of and further information on ARR. ARR excludes the impact of foreign currency translation.

^{2.} Guidance as of April 25, 2023. Refer to Table 11 – "2023 Outlook" in the press release titled "Moody's Corporation Reports Results for First Quarter 2023" from April 25, 2023, for a complete list of guidance, reconciliations between adjusted and constant currency (C\$) measures and U.S. GAAP, as well as assumptions used by the Company with respect to its guidance.

MCO: First Quarter 2023 Financial Results



\$1.5B MCO Revenue



\$656M MCO Adjusted Operating Income¹



\$2.99
MCO Adjusted
Diluted EPS¹

(3%)

MCO revenue contraction from 1Q22



MA revenue grew

6%

MA ARR² increased

10%



MIS revenue declined

(11%)

Rated issuance contracted

(13%)



44.6%

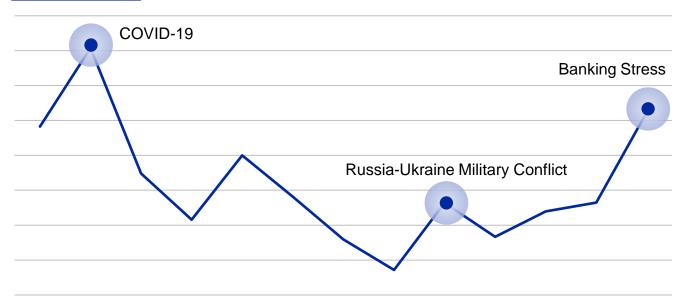
MCO Adjusted Operating Margin¹

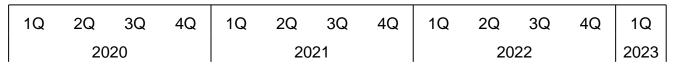
- 1. Refer to the Appendix for reconciliations between all adjusted measures mentioned throughout this presentation and U.S. GAAP.
- 2. ARR growth as of March 31, 2023. Refer to the Appendix for the definition of and further information on ARR. ARR excludes the impact of foreign currency translation.

MCO: Providing Clarity in Times of Uncertainty

Stakeholders consistently turn to Moody's during periods of macroeconomic and geopolitical uncertainty

Moodys.com Visits





Delivering trusted thought-leadership, timely insights, and best-in-class products and solutions



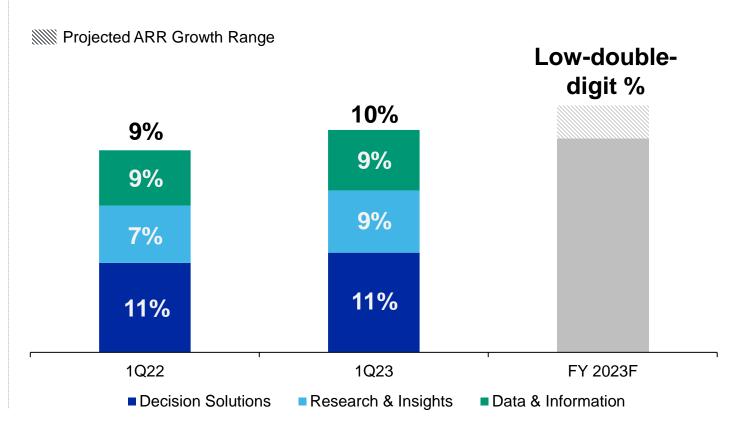
Generating demand for Moody's offerings, including credit ratings, research, and economic models, as well as KYC, banking, and insurance solutions

Note: Average number of daily customer visits to moodys.com per quarter.

MA: ARR Growth Accelerating Amid Heightened Customer Demand for Integrated Solutions to Better Identify, Measure, and Manage Risk







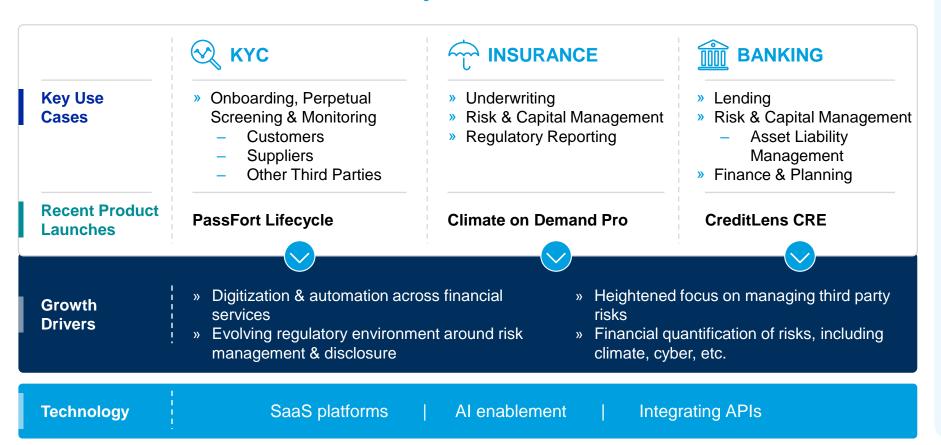
^{1.} Product utilization and meeting activity growth metrics are on a trailing twelve month basis as of March 31, 2023, and March 31, 2022.

^{2.} Guidance as of April 25, 2023. Refer to Table 11 – "2023 Outlook" in the press release titled "Moody's Corporation Reports Results for First Quarter 2023" from April 25, 2023, for a complete list of guidance, reconciliations between adjusted and constant currency (C\$) measures and U.S. GAAP, as well as assumptions used by the Company with respect to its guidance.

^{3.} ARR growth as of March 31, 2022, and March 31, 2023, respectively. Refer to the Appendix for the definition of and further information on ARR. ARR excludes the impact of foreign currency translation.

MA Decision Solutions: Integrating Content and Capabilities Across Moody's

Workflow solutions that address key customer use cases

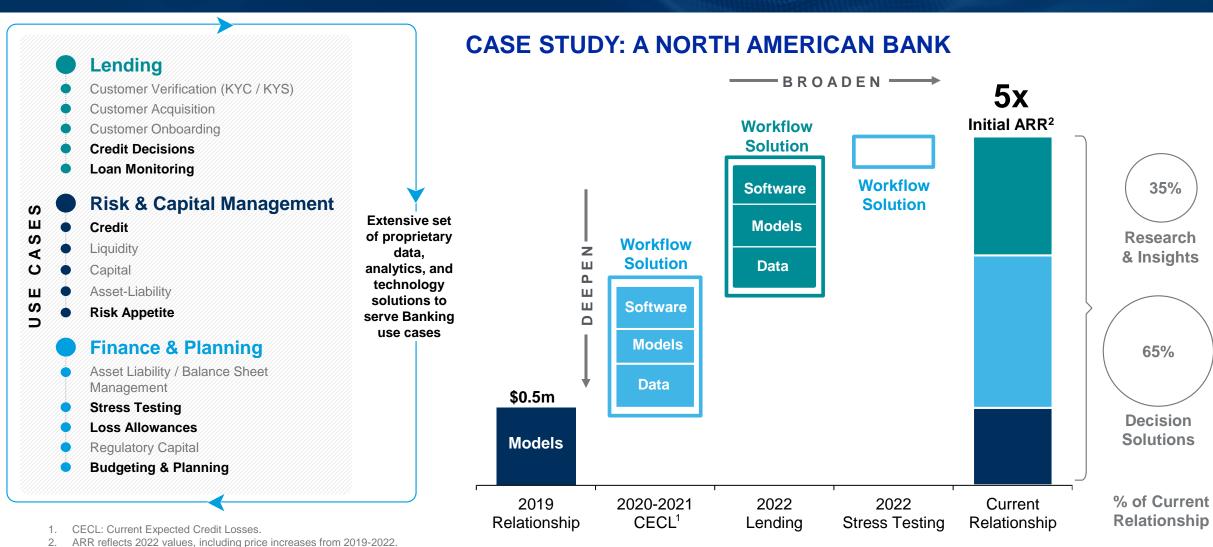


Decision Solutions 1Q 2023 Performance¹ 11% **ARR** 93% Retention Rate Proportion of 88% Recurring Revenue

Note: SaaS = Software as a Service. AI = Artificial Intelligence. API = Application Programming Interface.

1. As of March 31, 2023. Refer to the Appendix for the definition of and further information on ARR. ARR excludes the impact of foreign currency translation. Retention rate for quarter ended March 31, 2023, excludes RealXData and ZM Financial

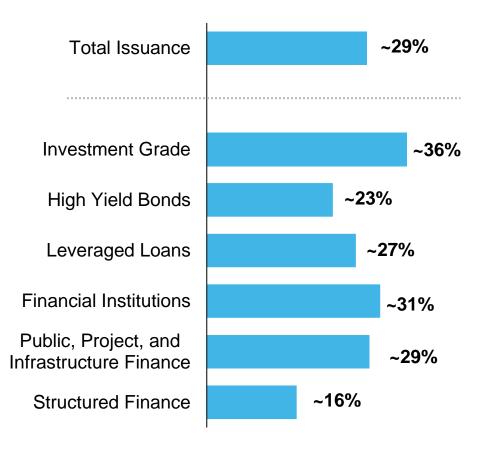
MA: Expanding Customer Relationships Through Workflow Solutions that Combine Data, Analytics, and Software



DECODE RISK. UNLOCK OPPORTUNITY.

MIS: Affirming Full Year Guidance¹

1Q23 Issuance vs. FY 2023 Outlook^{1,2}



2023 Issuance Factors



MACROECONOMICS & POLICY

- Banking sector stress
- Geopolitical risks
- Energy, trade, climate, tax, and regulatory policies



INFLATION RATES & CENTRAL BANK ACTIONS

- » Inflation expectations, supply chain, and wage trends
- » Global monetary policy tightening cycle



CREDIT MARKETS

- Liquidity, sentiment, and credit spreads
- Credit performance and default rates
- » Private credit markets

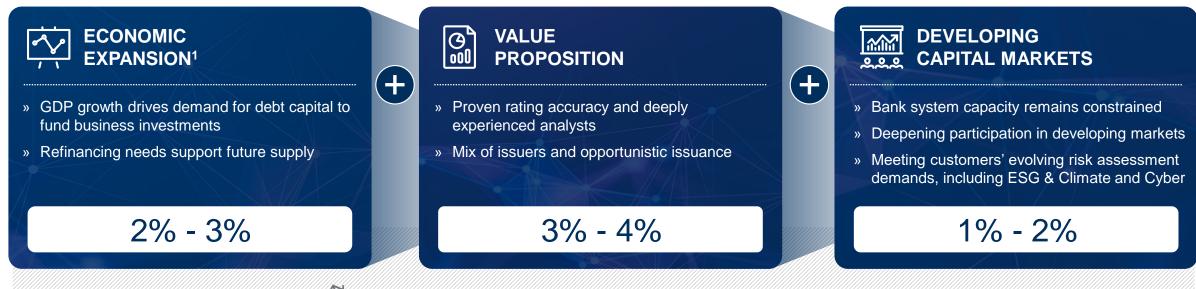


GROWTH & INVESTMENT

- » Global GDP: recession or recovery
- Private equity 'dry powder'
- 1. Guidance as of April 25, 2023. Refer to Table 11 "2023 Outlook" in the press release titled "Moody's Corporation Reports Results for First Quarter 2023" from April 25, 2023, for a complete list of guidance, reconciliations between adjusted and constant currency (C\$) measures and U.S. GAAP, as well as assumptions used by the Company with respect to its guidance.
- 2. Total issuance includes CFG, SFG, FIG, and PPIF, MIS-rated issuance excludes sovereign debt issuance, Issuance figures are subject to amendment given face amount variations that may occur following the reporting cycle.

MIS: Long-term Revenue Growth Drivers Intact

LONG-TERM GROWTH BUILDING BLOCKS



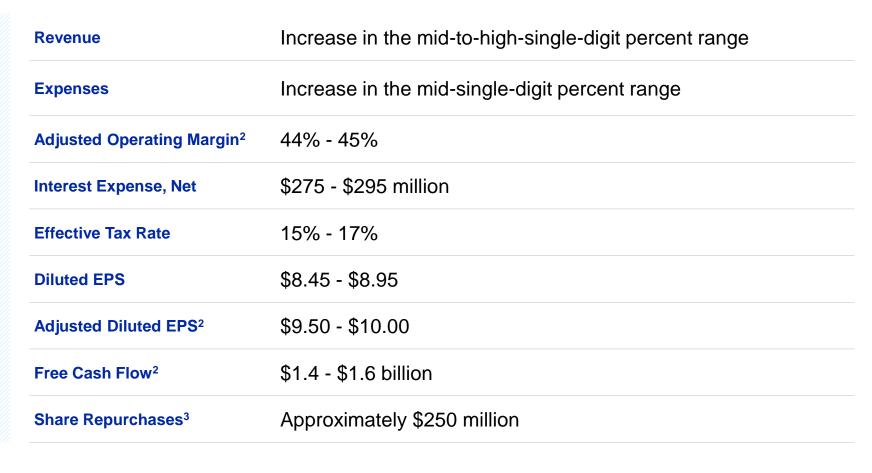


Note: Long-term growth building blocks presented on this slide are on average, over time.

1. Economic expansion represents rate of change in global real GDP.

MCO: Updated Full Year Guidance

Full Year 2023 Financial Outlook as of April 25, 2023¹





^{1.} Guidance as of April 25, 2023. Refer to Table 11 – "2023 Outlook" in the press release titled "Moody's Corporation Reports Results for First Quarter 2023" from April 25, 2023, for a complete list of guidance, reconciliations between adjusted and constant currency (C\$) measures and U.S. GAAP, as well as assumptions used by the Company with respect to its guidance.

^{2.} Adjusted Operating Margin, Adjusted Diluted EPS, and Free Cash Flow are non-GAAP measures. Refer to the Appendix for reconciliations between all adjusted measures mentioned throughout this presentation and U.S. GAAP.

^{3.} Subject to available cash, market conditions, M&A opportunities, and other ongoing capital allocation decisions.



Moody's Decode risk. Unlock opportunity.

Questions and Answers



Rob Fauber
President and Chief Executive Officer



Mark Kaye
Chief Financial Officer



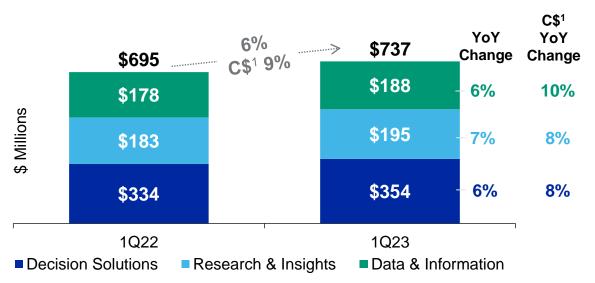
Supplemental Information

Outlook &

Investment Thesis

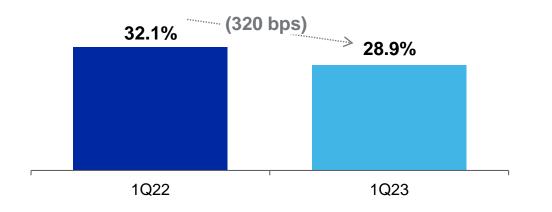
MA: Delivering Robust Growth Through Mission-Critical Products

MA Revenue



- » **DS:** C\$¹ revenue grew 8% on increased demand for KYC & compliance, lending, and insurance solutions (ARR² growth of 11%)
- » R&I: Growth in sales of economic models and research drove C\$1 revenue up by 8% (ARR² growth of 9%)
- » **D&I:** C\$1 revenue growth of 10% was driven by strong retention, and realization of increased pricing and upgrades related to credit rating data feeds (ARR² growth of 9%)

MA Adjusted Operating Margin¹



- Year-over-year adjusted operating margin variability was influenced by a higher concentration of on-premise multi-year software renewals in the prior-year period, as well as the timing of investments
- » Making opportunistic investments in innovation, technology, and product development
- Full year 2023 adjusted operating margin guidance remains ~31%

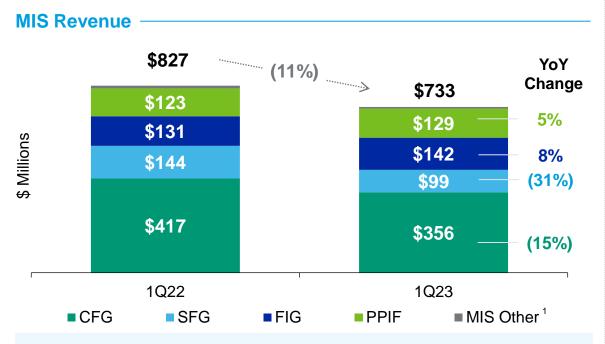
^{1.} Foreign currency exchange unfavorably impacted total MA, Decision Solutions, Research & Insights and Data & Information revenues by 3%, 2%, 1%, and 4%, respectively. Refer to the Appendix for the definition of constant currency (C\$) revenue, as well as reconciliations between all C\$ and adjusted measures mentioned throughout this presentation and U.S. GAAP.

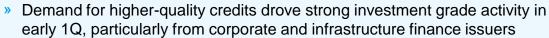
^{2.} ARR growth as of March 31, 2023. Refer to the Appendix for the definition of and further information on ARR. ARR excludes the impact of foreign currency translation.

Outlook 🧩

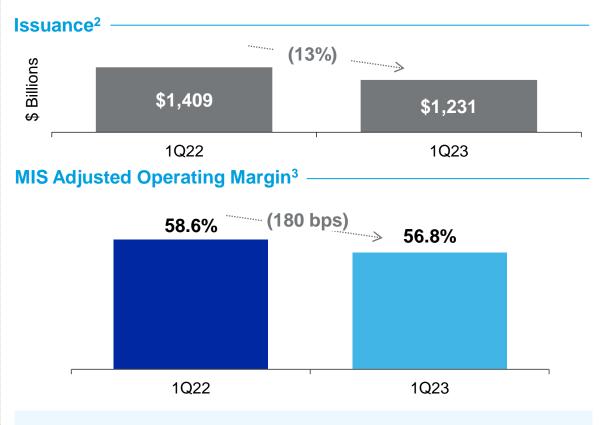
Investment Thesis

MIS: Solid Activity to Start the Year, but Market Uncertainty Remains





- » Higher volume of infrequent bank issuance ahead of market volatility resulting from banking sector stress
- » Macroeconomic uncertainty constrained structured finance, leveraged loan, and high yield bond activity throughout the quarter



» Margin contraction reflects lower revenue from structured and leveraged finance issuers due to ongoing cyclical market volatility

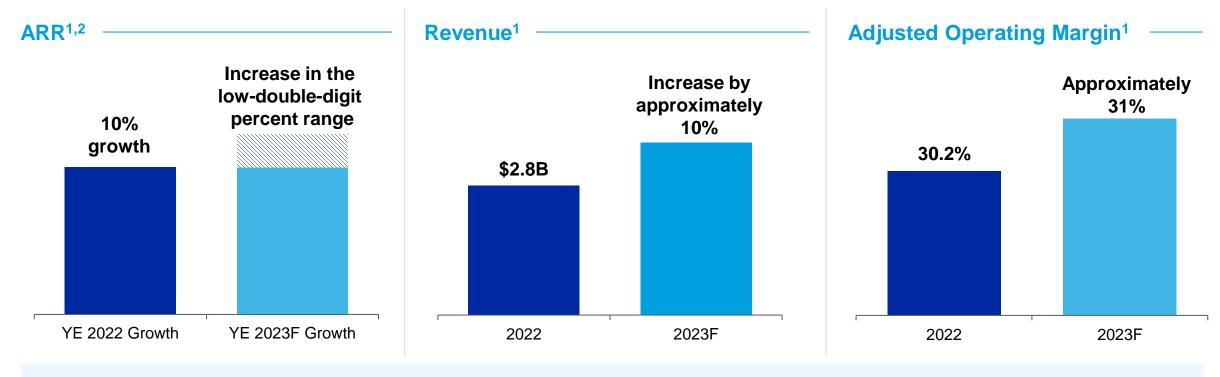
MIS Other revenue was approximately \$12 million and \$7 million in the guarters ended March 31, 2022, and March 31, 2023, respectively.

^{2.} MIS-rated issuance, excludes sovereign debt issuance. Issuance figures are subject to amendment given face amount variations that may occur following the reporting cycle.

^{3.} Refer to the Appendix for reconciliations between all adjusted measures mentioned throughout this presentation and U.S. GAAP.

MA: Strong Customer Demand Reflected in ARR^{1,2} Growth Expectations





- » MA's mission critical solutions, deeply embedded in our customers' workflows, deliver both sustained retention rates in the mid-90s and double-digit ARR growth
- » Ongoing investments in innovation and technology are accelerating the interoperability of our unique and in-demand data and analytics with our SaaS solutions, improving operating leverage through more efficient delivery, as well as cross- and up-sell strategies

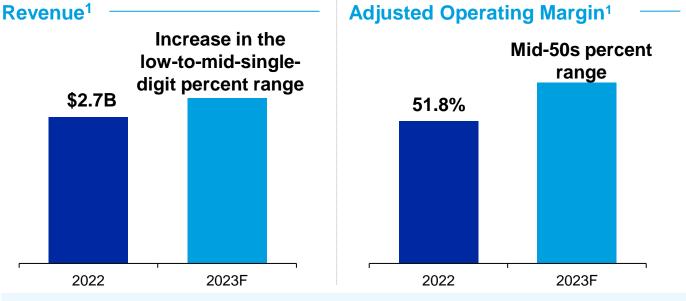
18

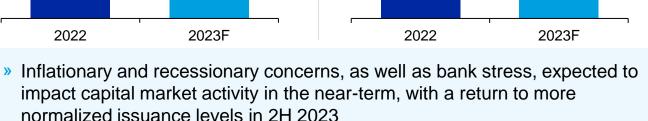
^{1.} Guidance as of April 25, 2023. Refer to Table 11 – "2023 Outlook" in the press release titled "Moody's Corporation Reports Results for First Quarter 2023" from April 25, 2023, for a complete list of guidance, reconciliations between adjusted and constant currency (C\$) measures and U.S. GAAP, as well as assumptions used by the Company with respect to its guidance.

^{2.} Refer to the Appendix for the definition of and further information on ARR. ARR excludes the impact of foreign currency translation.

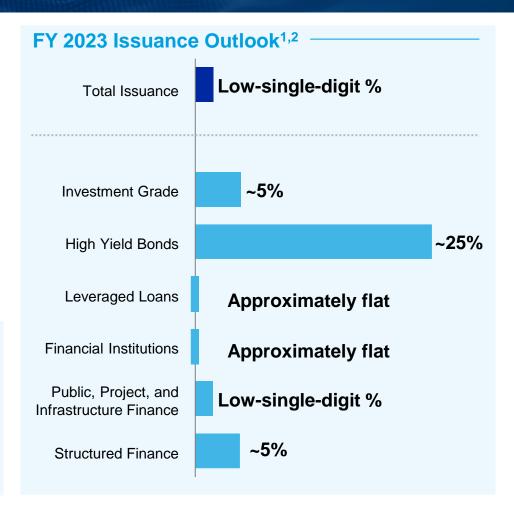
MIS: Outlook Unchanged Due to Ongoing Market Uncertainty







- » Disciplined expense management; balancing operational efficiency with adequacy of resources to deliver quality mandates and ratings
- » Maintaining expectation for 600 to 700 first-time mandates



^{1.} Guidance as of April 25, 2023. Refer to Table 11 – "2023 Outlook" in the press release titled "Moody's Corporation Reports Results for First Quarter 2023" from April 25, 2023, for a complete list of guidance, reconciliations between adjusted and constant currency (C\$) measures and U.S. GAAP, as well as assumptions used by the Company with respect to its guidance.

^{2.} Total issuance includes CFG, SFG, FIG, and PPIF. MIS-rated issuance excludes sovereign debt issuance. Issuance figures are subject to amendment given face amount variations that may occur following the reporting cycle.

MIS: Macroeconomic Assumptions Underpinning our Full Year 2023 Outlook

Benchmark Rates

& Credit Spreads



0.5% - 1.5% U.S.

0.0% - 1.0% Euro area

1.5% - 2.5% Global



Macroeconomic Assumptions¹

Global benchmark rates to remain elevated. with U.S. Fed funds rate peaking above 5%, followed by the potential for rate reductions in early 2024; U.S. high yield spreads to average ~500 bps, with periodic volatility



Inflation & Unemployment

Global inflation levels to decline, but remain above central bank targets (U.S.: ~5% average; large Euro area economies: ~6% average, with considerable variation among countries); U.S. unemployment rate to rise toward 5% by year-end



Default Rates

Global high yield default rate to rise to ~5% by year-end



\$1.24 and \$1.09 for the remainder of the year for GBP/USD and EUR/USD FX rates, respectively

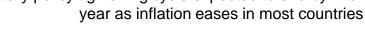
TAILWINDS

Incremental monetary policy tightening cycle expected to end by mid-

DECODE RISK. UNLOCK OPPORTUNITY.









~\$4T of refinancing needs between 2023 and 2026



Recessionary concerns

Dry powder at private equity firms



Ongoing geopolitical uncertainty, including resolution of the Russia-Ukraine military conflict



High cash levels on corporate balance sheets

Sources: Default rate and unemployment assumptions sourced from Moody's Investors Service "March 2023 Default Report", published April 14, 2023. High yield spreads, GDP, and inflation assumptions as of April 25, 2023, from

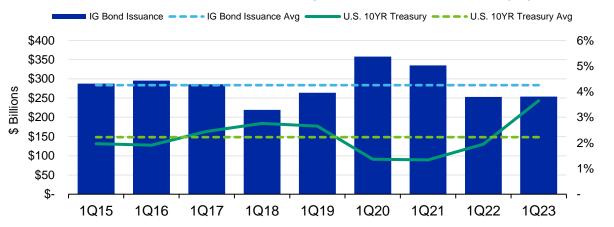
- 1. Guidance as of April 25, 2023. Refer to Table 11 "2023 Outlook" in the press release titled "Moody's Corporation Reports Results for First Quarter 2023" from April 25, 2023, for a complete list of guidance, reconciliations between adjusted and constant currency (C\$) measures and U.S. GAAP, as well as assumptions used by the Company with respect to its guidance.
- 2. GDP represents rate of change in real GDP.

MIS: Following Outsized Issuance in 2020 and 2021, Refinancing Needs Remain Significant

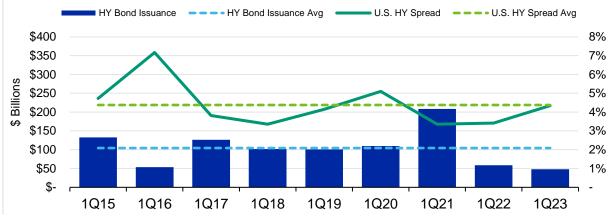




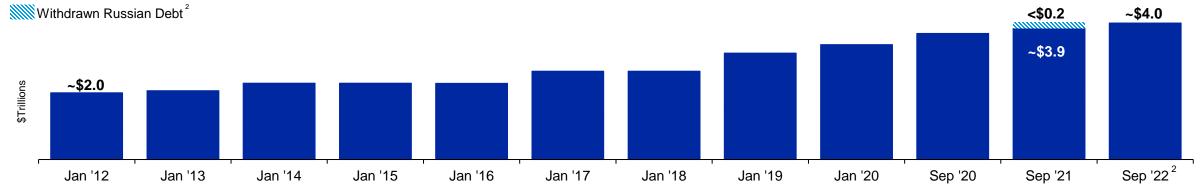
MIS-Rated Q1 Non-Financial Global Corporate Investment Grade (IG) Issuance



MIS-Rated Q1 Non-Financial Global Corporate High Yield (HY) Issuance







Sources: Moody's Investors Service, Moody's Analytics, and Dealogic,

- 1. Amounts reflect total MIS-rated U.S. non-financial corporate bond and loan maturities, in addition to EMEA non-financial corporate and infrastructure bond and loan maturities as defined in Moody's Investors Service's refunding needs reports (2012 - 2022). Each bar represents four-year refunding needs.
- In March 2022, Moody's withdrew the ratings of Russian companies, resulting in a reduction of the refinancing wall.

Teleconference Details





- » Go to <u>ir.moodys.com</u>
- » Click on "Events & Presentations"
- » Click on the link for "1Q 2023 Earnings Conference Call"



DIAL IN

- » U.S. & Canada: +1-888-330-2508
- » Non-U.S. & Canada: +1-240-789-2735
- » Passcode: 9302427



DIAL IN REPLAY

- » U.S. & Canada: +1-800-770-2030
- » Non-U.S. & Canada: +1-647-362-9199
- » Passcode: 9302427

Dial In Replay Available from April 25, 2023, through May 25, 2023

Moody's Attendance at Upcoming Conferences



Credit Suisse 5th Annual eXtreme Ideas Conference

» Tameka Alsop, Chief Administrative Officer



Barclays Americas Select Franchise Conference

» Keith Berry, MA General Manager – Know Your Customer



Morgan Stanley Business Services One-on-One Day

» Michael West, MIS – President



Bernstein Strategic Decisions Conference

» Rob Fauber, Chief Executive Officer



Deutsche Bank Global Financial Services Conference

» Steve Tulenko, MA – President



Stifel Cross Sector Insight Conference

» Tameka Alsop, Chief Administrative Officer



Moody's Decode risk. Unlock opportunity.





Investor Relations ir.moodys.com ir@moodys.com

Appendix

Glossary of Terms and Abbreviations

TERM	DEFINITION
CFG	Corporate finance group; an LOB within MIS
CRE	Commercial Real Estate
D&I	The Data & Information LOB within MA, which provides vast data sets on companies and securities via data feeds and data applications products
DS	The Decision Solutions LOB within MA, which provides software and workflow tools for specific use cases (banking, insurance, KYC/KYS, CRE, and structured finance solutions). This LOB utilizes components from the D&I and R&I LOBs to provide integrated risk solutions
ESG	Environmental, Social, and Governance
FIG	Financial institutions group; an LOB within MIS
кус	Know-your-customer
LOB	Line of business
MA	Moody's Analytics – a reportable segment of MCO, which provides a wide range of products and services that support financial analysis and risk management activities of institutional participants in global financial markets; consists of three LOBs – DS, R&I, and D&I
MIS	Moody's Investors Service – a reportable segment of MCO; consists of five LOBs – CFG, FIG, PPIF, SFG, and MIS Other
MIS Other	Consists of financial instruments pricing services in the Asia-Pacific region, ICRA non-ratings revenue, and revenue from professional services. These businesses are components of MIS; MIS Other is an LOB of MIS
PPIF	Public, project, and infrastructure finance; an LOB within MIS
R&I	The Research & Insights LOB within MA, which provides models, scores, expert insights, and commentary. This LOB includes credit research, credit models, and analytics, and economics data and models
SFG	Structured finance group; an LOB within MIS
YoY	Year-over-year

Annualized Recurring Revenue (ARR)

The Company presents Annualized Recurring Revenue ("ARR") on a constant currency organic basis for its MA business as a supplemental performance metric to provide additional insight on the estimated value of MA's recurring revenue contracts at a given point in time. The Company uses ARR to manage and monitor performance of its MA operating segment and believes that this metric is a key indicator of the trajectory of MA's recurring revenue base.

The Company calculates ARR by taking the total recurring contract value for each active renewable contract as of the reporting date, divided by the number of days in the contract and multiplied by 365 days to create an annualized value. The Company defines renewable contracts as subscriptions, term licenses, maintenance and renewable services. ARR excludes transaction sales including training, one-time services and perpetual licenses. In order to compare period-over-period ARR excluding the effects of foreign currency translation, the Company bases the calculation on currency rates utilized in its current year operating budget and holds these FX rates constant for the duration of all current and prior periods being reported. Additionally, ARR excludes contracts related to acquisitions to provide additional perspective in assessing growth excluding the impacts from certain acquisition activity.

The Company's definition of ARR may differ from definitions utilized by other companies reporting similarly named measures, and this metric should be viewed in addition to, and not as a substitute for, financial measures presented in accordance with U.S. GAAP.

Amounts in millions	Marc	March 31, 2023		March 31, 2022		Change	Growth		
MA ARR									
Decision Solutions	\$	1,234	\$	1,108	\$	126	11%		
Research and Insights		770		708		62	9%		
Data and Information		748		685		63	9%		
Total MA ARR	\$	2,752	\$	2,501	\$	251	10%		

Financial Information by Segment

The table below shows revenue and Adjusted Operating Income by reportable segment. Adjusted Operating Income is a financial metric utilized by the Company's chief operating decision maker to assess the profitability of each reportable segment.

	Three Months Ended March 31,										
		2023						2022			
Amounts in millions	MA	MIS	Eliminations	Consolidated		MA	MIS	Eliminations	Coi	nsolidated	
Total external revenue	\$ 737	\$ 733	\$ —	\$ 1,470	\$	695	\$ 827	\$ —	\$	1,522	
Intersegment revenue	3	45	(48)	_		2	43	(45)		_	
Total revenue	740	778	(48)	1,470		697	870	(45)		1,522	
Operating, SG&A	526	336	(48)	814		473	360	(45)		788	
Adjusted Operating Income	\$ 214	\$ 442	\$ —	\$ 656	\$	224	\$ 510	\$ —	\$	734	
Adjusted Operating Margin	28.9 %	56.8 %		44.6 %		32.1 %	58.6 %			48.2 %	
Depreciation and amortization	70	18	_	88		60	18	_		78	
Restructuring	8	6	_	14		_	_	_		_	
Operating income				\$ 554					\$	656	
Operating margin				37.7 %						43.1 %	

Constant Currency Revenue Growth (Decline)

The Company presents constant currency revenue growth (decline) as its non-GAAP measure of revenue growth (decline). Management deems this revised measure to be useful in providing additional perspective in assessing the Company's revenue growth (decline) excluding the impacts of changes in foreign exchange rates. The Company calculates the dollar impact of foreign exchange as the difference between the translation of its current period non-USD functional currency results using comparative prior period weighted average foreign exchange translation rates and current year reported results.

Below is a reconciliation of the Company's reported revenue and growth (decline) rates to its constant currency revenue growth (decline) measures:

		Three Months Ended March 31,									
Amounts in millions	_	2023		2022		ange	Growth				
MCO revenue	\$	1,470	\$	1,522	\$	(52)	(3)%				
FX impact		28		_		28					
Constant currency MCO revenue	\$	1,498	\$	1,522	\$	(24)	(2)%				
MA revenue	\$	737	\$	695	\$	42	6%				
FX impact		18		_		18					
Constant currency MA revenue	3	755	\$	695	\$	60	9%				
Decision Solutions revenue	\$	354	\$	334	\$	20	6%				
FX impact		7		_		7					
Constant currency Decision Solutions revenue	3	361	\$	334	\$	27	8%				
Research and Insights revenue	\$	195	\$	183	\$	12	7%				
FX impact		3		_		3					
Constant currency Research and Insights revenue	\$	198	\$	183	\$	15	8%				
Data and Information revenue	\$	188	\$	178	\$	10	6%				
FX impact		8		_		8					
Constant currency Data and Information revenue	\$	196	\$	178	\$	18	10%				
MA recurring revenue	\$	692	\$	651	\$	41	6%				
FX impact		17		_		17					
Constant currency MA recurring revenue	\$	709	\$	651	\$	58	9%				

Adjusted Operating Income and Adjusted Operating Margin

The Company presents Adjusted Operating Income and Adjusted Operating Margin because management deems these metrics to be useful measures to provide additional perspective on Moody's operating performance. Adjusted Operating Income excludes the impact of: i) depreciation and amortization; and ii) restructuring charges/adjustments. Depreciation and amortization are excluded because companies utilize productive assets of different estimated useful lives and use different methods of acquiring and depreciating productive assets. Restructuring charges/adjustments are excluded as the frequency and magnitude of these charges may vary widely across periods and companies.

Management believes that the exclusion of the aforementioned items, as detailed in the reconciliation below, allows for an additional perspective on the Company's operating results from period to period and across companies. The Company defines Adjusted Operating Margin as Adjusted Operating Income divided by revenue.

	 Three Months Ended March 31,				
Amounts in millions	2023		2022		
Operating income	\$ 554	\$	656		
Depreciation and amortization	88		78		
Restructuring	14		_		
Adjusted Operating Income	\$ 656	\$	734		
Operating margin	37.7 %		43.1 %		
Adjusted Operating Margin	44.6 %		48.2 %		

Free Cash Flow

The Company defines Free Cash Flow as net cash provided by operating activities minus payments for capital additions. Management believes that Free Cash Flow is a useful metric in assessing the Company's cash flows to service debt, pay dividends and to fund acquisitions and share repurchases. Management deems capital expenditures essential to the Company's product and service innovations and maintenance of Moody's operational capabilities. Accordingly, capital expenditures are deemed to be a recurring use of Moody's cash flow.

Below is a reconciliation of the Company's net cash flows from operating activities to Free Cash Flow:

	Th	ree Months E	Months Ended March 3		
Amounts in millions		2023		2022	
Net cash provided by operating activities	\$	608	\$	470	
Capital additions		(73)		(59)	
Free Cash Flow	\$	535	\$	411	
Net cash used in investing activities	\$	(63)	\$	(161)	
Net cash used in financing activities	\$	(216)	\$	(352)	

Adjusted Net Income and Adjusted Diluted Earnings per Share Attributable to Moody's Common Shareholders

The Company presents Adjusted Net Income and Adjusted Diluted EPS because management deems these metrics to be useful measures to provide additional perspective on Moody's operating performance. Adjusted Net Income and Adjusted Diluted EPS exclude the impact of: i) amortization of acquired intangible assets; and ii) restructuring charges/adjustments.

The Company excludes the impact of amortization of acquired intangible assets as companies utilize intangible assets with different estimated useful lives and have different methods of acquiring and amortizing intangible assets. These intangible assets were recorded as part of acquisition accounting and contribute to revenue generation. The amortization of intangible assets related to acquisitions will recur in future periods until such intangible assets have been fully amortized. Furthermore, the timing and magnitude of business combination transactions are not predictable and the purchase price allocated to amortizable intangible assets and the related amortization period are unique to each acquisition and can vary significantly from period to period and across companies. Restructuring charges/adjustments are excluded as the frequency and magnitude of these items may vary widely across periods and companies.

The Company excludes the aforementioned items to provide additional perspective when comparing net income and diluted EPS from period to period and across companies as the frequency and magnitude of similar transactions may vary widely across periods.

Below is a reconciliation of these measures to their most directly comparable U.S. **GAAP** measures:

	Three Months Ended March 31,					
Amounts in millions		2023			2022	
Net income attributable to Moody's common shareholders		\$	501		\$	498
Pre-tax Acquisition-Related Intangible Amortization Expenses	\$	51		\$	51	
Tax on Acquisition-Related Intangible Amortization Expenses		(12)			(12)	
Net Acquisition-Related Intangible Amortization Expenses			39			39
Pre-tax restructuring	\$	14		\$	_	
Tax on restructuring		(4)			_	
Net restructuring			10			_
Adjusted Net Income		\$	550		\$	537

	Three Months Ended March 31,					31,
Amounts in millions		2023			2022	
Diluted earnings per share attributable to Moody's common shareholders		\$	2.72		\$	2.68
Pre-tax Acquisition-Related Intangible Amortization Expenses	\$	0.28		\$	0.27	
Tax on Acquisition-Related Intangible Amortization Expenses		(0.06)			(0.06)	
Net Acquisition-Related Intangible Amortization Expenses			0.22			0.21
Pre-tax restructuring	\$	0.08		\$	_	
Tax on restructuring		(0.03)			_	
Net restructuring			0.05			_
Adjusted Diluted EPS		\$	2.99		\$	2.89

Note: The tax impacts in the table above were calculated using tax rates in effect in the jurisdiction for which the item relates

© 2023 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 BY MOODY'S (COLLECTIVELY, "PUBLICATIONS") 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 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. AND/OR ITS AFFILIATES MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS DO NOT CONSTITUTE OR PROVIDE INVESTMENT OR FINANCIAL ADVICE, AND MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS ARE NOT AND DO NOT PROVIDE RECOMMENDATIONS TO PURCHASE, SELL, OR HOLD PARTICULAR SECURITIES. MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS 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 ITS 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, ASSESSMENTS, OTHER OPINIONS, AND PUBLICATIONS 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 PUBLICATIONS 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.

MOODY'S CREDIT RATINGS, ASSESSMENTS, OTHER OPINIONS AND PUBLICATIONS 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 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 CREDIT RATING, ASSESSMENT, OTHER OPINION OR INFORMATION IS GIVEN OR MADE BY MOODY'S IN ANY FORM OR MANNER WHATSOEVER.

Moody's Investors Service, Inc., a wholly-owned credit rating agency subsidiary of Moody's Corporation ("MCO"), hereby discloses that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by Moody's Investors Service, Inc. have, prior to assignment of any credit rating, agreed to pay to Moody's Investors Service, Inc. for credit ratings opinions and services rendered by it fees ranging from \$1,000 to approximately \$5,000,000. MCO and Moody's Investors Service also maintain policies and procedures to address the independence of Moody's Investors Service credit ratings and credit rating processes. Information regarding certain affiliations that may exist between directors of MCO and rated entities, and between entities who hold credit ratings from Moody's Investors Service, Inc. 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 "Investor Relations — Corporate Governance — Charter Documents - Director and Shareholder Affiliation Policy."

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 336969 (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 Japan only: Moody's Japan K.K. ("MJKK") is a wholly-owned credit rating agency subsidiary of Moody's Group Japan G.K., which is wholly-owned by Moody's Overseas Holdings Inc., a wholly-owned subsidiary of MCO. Moody's SF Japan K.K. ("MSFJ") is a wholly-owned credit rating agency subsidiary of MJKK. MSFJ is not a Nationally Recognized Statistical Rating Organization ("NRSRO"). Therefore, credit ratings assigned by MSFJ are Non-NRSRO Credit Ratings. Non-NRSRO Credit Ratings are assigned by an entity that is not a NRSRO and, consequently, the rated obligation will not qualify for certain types of treatment under U.S. laws. MJKK and MSFJ are credit rating agencies registered with the Japan Financial Services Agency and their registration numbers are FSA Commissioner (Ratings) No. 2 and 3 respectively.

MJKK or MSFJ (as applicable) hereby disclose that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by MJKK or MSFJ (as applicable) have, prior to assignment of any credit rating, agreed to pay to MJKK or MSFJ (as applicable) for credit ratings opinions and services rendered by it fees ranging from JPY100,000 to approximately JPY550,000,000.

MJKK and MSFJ also maintain policies and procedures to address Japanese regulatory requirements.