DATA REPORT

Moody's

ANALYTICS

10 June 2021

CLIENT SERVICES

Americas

Asia Pacific

Japan

EMEA

Cross-Sector Market Data Highlights

The latest market data from Weekly Market Outlook. Click here for access to the full WMO.

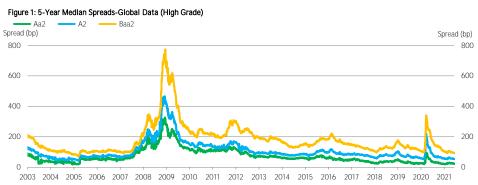
SPREADS

1-212-553-1653

852-3551-3077

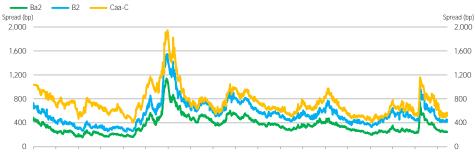
81-3-5408-4100

44-20-7772-5454



Source: Moody's

Figure 2: 5-Year Median Spreads-Global Data (High Yield)



2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 Source: Moody's

Moody's Analytics markets and distributes all Moody's Capital Markets Research, Inc. materials. Moody's Capital Markets Research, Inc. is a subsidiary of Moody's Corporation. Moody's Analytics does not provide investment advisory services or products. For further detail, please see the last page.

CDS MOVERS

Figure 3. CDS Movers - US (June 2, 2021 – June 9, 2021)

CDS Implied Rating Rises	CDS Impl	CDS Implied Ratings		
Issuer	Jun. 9	Jun. 2	Senior Ratings	
Oracle Corporation	A1	A2	Baa2	
General Motors Company	Baa3	Ba1	Baa3	
Consolidated Edison Company of New York, Inc.	Baa1	Baa2	Baa1	
Univision Communications Inc.	B3	Caa1	Caa2	
Welltower Inc.	Baa1	Baa2	Baa1	
Archer-Daniels-Midland Company	A2	A3	A2	
Sherwin-Williams Company (The)	Baa1	Baa2	Baa2	
Apache Corporation	Ba2	Ba3	Ba1	
Republic Services, Inc.	Baa1	Baa2	Baa2	
Ventas Realty, Limited Partnership	Baa2	Baa3	Baa1	

CDS Implied Rating Declines	CDS Impli	CDS Implied Ratings		
Issuer	Jun. 9	Jun. 2	Senior Ratings	
Toyota Motor Credit Corporation	A1	Aa3	A1	
Walmart Inc.	A1	Aa3	Aa2	
Raytheon Technologies Corporation	A3	A2	Baa1	
NextEra Energy Capital Holdings, Inc.	Baa2	Baa1	Baa1	
Lowe's Companies, Inc.	A2	A1	Baa1	
Southern Company (The)	Baa1	A3	Baa2	
Bank of America, N.A.	Baa1	A3	Aa2	
Tyson Foods, Inc.	Baa1	A3	Baa2	
NIKE, Inc.	A1	Aa3	A1	
Sempra Energy	A3	A2	Baa2	

CDS Spread Increases	—		CDS Spreads	
Issuer	Senior Ratings	Jun. 9	Jun. 2	Spread Diff
Talen Energy Supply, LLC	B3	1,580	1,105	475
Macy's Retail Holdings, LLC	B1	324	307	16
Gap, Inc. (The)	Ba3	167	153	14
Goodyear Tire & Rubber Company (The)	B2	240	229	12
Calpine Corporation	B2	346	337	9
Staples, Inc.	Caa1	773	764	9
Travel + Leisure Co.	B1	166	158	8
Kohl's Corporation	Baa2	144	136	8
NIKE, Inc.	A1	30	25	6
Liberty Interactive LLC	B2	305	298	6

CDS Spread Decreases	_		CDS Spreads	
Issuer	Senior Ratings	Jun. 9	Jun. 2	Spread Diff
Nabors Industries, Inc.	Caa2	757	865	-108
Apache Corporation	Ba1	173	210	-36
United States Steel Corporation	Caa1	333	361	-28
Occidental Petroleum Corporation	Ba2	226	245	-18
United Airlines, Inc.	Ba3	352	369	-16
Rite Aid Corporation	Caa3	716	732	-16
International Game Technology	B3	216	232	-16
SLM Corporation	Ba1	308	323	-15
Ventas Realty, Limited Partnership	Baa1	57	67	-10
BorgWarner Inc.	Baa1	55	65	-10

Figure 4. CDS Movers - Europe (June 2, 2021 – June 9, 2021)

CDS Implied Rating Rises	CDS Implied Ratings		
Issuer	Jun. 9	Jun. 2	Senior Ratings
CMA CGM S.A.	B2	Caa1	B3
Santander UK plc	Baa1	Baa2	A1
Landesbank Hessen-Thueringen GZ	A2	A3	Aa3
Bankinter, S.A.	Baa1	Baa2	Baa1
BAWAG P.S.K. AG	Baa1	Baa2	A2
Autoroutes du Sud de la France (ASF)	A1	A2	A3
Koninklijke KPN N.V.	Baa3	Ba1	Baa3
Ineos Group Holdings S.A.	Ba3	B1	B2
Italy, Government of	Baa3	Baa3	Baa3
France, Government of	Aa2	Aa2	Aa2

CDS Implied Rating Declines	CDS Impl	CDS Implied Ratings		
Issuer	Jun. 9	Jun. 2	Senior Ratings	
Natixis	A2	A1	A1	
HSBC Holdings plc	A3	A2	A3	
Credit Agricole S.A.	A1	Aa3	Aa3	
ING Bank N.V.	Aa3	Aa2	Aa3	
Electricite de France	Baa1	A3	A3	
Orange	A2	A1	Baa1	
Deutsche Telekom AG	A2	A1	Baa1	
Bank of Ireland	Baa2	Baa1	A2	
United Utilities PLC	A2	A1	Baa1	
Novo Banco, S.A.	Ba3	Ba2	Caa2	

CDS Spread Increases	-		CDS Spreads	
Issuer	Senior Ratings	Jun. 9	Jun. 2	Spread Diff
thyssenkrupp AG	B1	267	253	14
Novo Banco, S.A.	Caa2	184	180	4
Wm Morrison Supermarkets plc	Baa2	109	105	4
Leonardo S.p.A.	Ba1	153	150	3
HSBC Holdings plc	A3	43	42	2
Electricite de France	A3	48	46	2
Standard Chartered PLC	A2	51	49	2
Banco Comercial Portugues, S.A.	Ba1	181	179	2
Bayer AG	Baa2	59	57	2
Scottish Power UK plc	Baa1	47	45	2

CDS Spread Decreases	—		CDS Spreads	
Issuer	Senior Ratings	Jun. 9	Jun. 2	Spread Diff
CMA CGM S.A.	B3	311	355	-44
Koninklijke KPN N.V.	Baa3	74	107	-34
Novafives S.A.S.	Caa2	716	738	-22
Piraeus Financial Holdings S.A.	Caa3	511	530	-19
Casino Guichard-Perrachon SA	Caa1	513	530	-17
FUI AG	Caa1	662	675	-13
Vue International Bidco plc	Са	595	606	-12
Telecom Italia S.p.A.	Ba2	153	164	-11
Ziggo Bond Company B.V.	B3	227	235	-7
Virgin Media Finance PLC	B2	246	253	-7

ISSUANCE

Figure 5. Market Cumulative Issuance - Corporate & Financial Institutions: USD Denominated

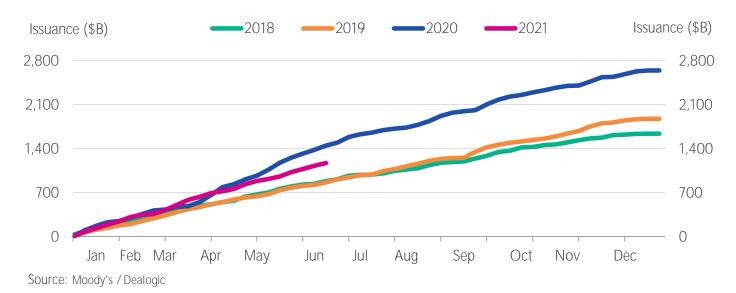


Figure 6. Market Cumulative Issuance - Corporate & Financial Institutions: Euro Denominated

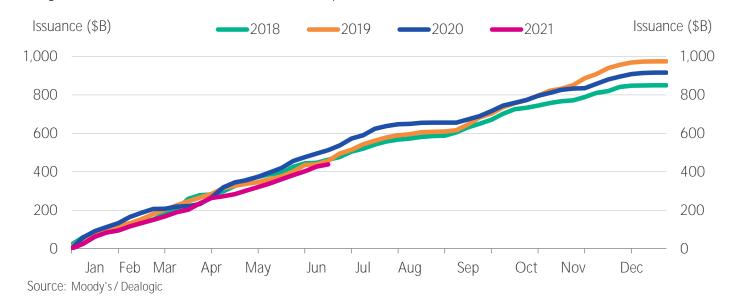


Figure 7. Issuance: Corporate & Financial Institutions

		USD Denominated					
	Investment-Grade	High-Yield	Total*				
	Amount \$B	Amount \$B	Amount \$B				
Weekly	27.865	13.680	42.272				
Year-to-Date	802.683	342.149	1,172.475				

	Euro Denominated				
	Investment-Grade	High-Yield	Total*		
	Amount \$B	Amount \$B	Amount \$B		
Weekly	11.301	0.365	11.727		
Year-to-Date	350.629	76.079	438.087		

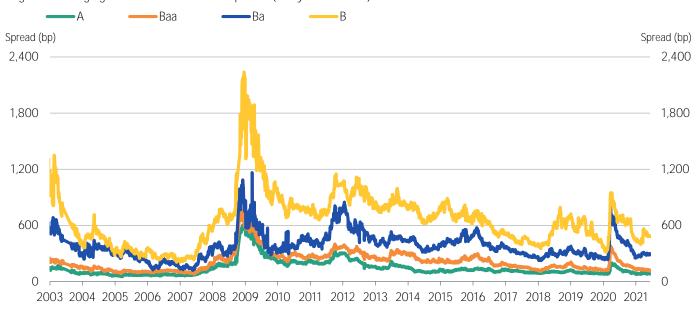
* Difference represents issuance with pending ratings.

Source: Moody's/ Dealogic

EMERGING MARKET CREDIT SPREADS

Figure 8. Emerging Market Median OAS

Emerging Market		Median	Spreads			Bond (Counts	
Duration	А	Baa	Ba	В	Α	Baa	Ba	В
>=1 and <3	56	104	250	380	66	134	49	39
>=3 and <5	82	117	288	479	76	111	55	54
>=5 and <7	97	154	283	522	42	89	32	24
>=7	114	205	361	569	131	223	56	36
Emerging Market Sovereign		Median	Spreads			Bond (Counts	
Duration	А	Baa	Ba	В	А	Baa	Ba	В
>=1 and <3	39	51	81	377	17	32	12	19
>=3 and <5	51	76	193	463	17	33	22	29
>=5 and <7	82	114	261	522	16	33	21	23
>=7	71	196	313	569	83	114	44	35
Emerging Market Corporate		Median	Spreads			Bond (Counts	
Duration	А	Baa	Ba	В	А	Baa	Ba	В
>=1 and <3	62	118	268	397	49	102	37	20
>=3 and <5	86	139	330	551	59	78	33	25
>=5 and <7	109	194	383	278	26	56	11	1
>=7	145	224	519	618	48	109	12	1
Source: Moody's								



Source: Moody's

MEDIAN CREDIT SPREADS

Figure 10. Global Financial Institutions Median Credit Spreads

			N	ledian Sprea	ds		
Duration	Aaa	Aa	Α	Baa	Ba	В	Caa
>=1 and <3	6	20	35	68	197	421	469
>=3 and <5	9	31	50	98	250	557	531
>=5 and <7	18	27	56	131	288	356	-
>=7	18	32	90	149	227	431	328
				Debt Counts	5		
Duration	Aaa	Aa	Α	Baa	Ba	В	Caa
>=1 and <3	236	269	436	265	71	18	6
>=3 and <5	183	210	364	277	63	19	5
>=5 and <7	130	142	208	122	15	4	-
>=7	119	290	447	219	15	1	2
				Issuer Count	S		
Duration	Aaa	Aa	Α	Baa	Ba	В	Caa
>=1 and <3	25	84	165	152	45	17	6
>=3 and <5	27	79	147	158	42	17	5
>=5 and <7	26	66	99	76	12	4	-
>=7	29	91	153	112	9	1	1

Source: Moody's

Figure 9: Emerging Markets Median Credit Spreads (3-5 year duration)

Figure 11. Global Corporate Median Credit Spreads

			Ν	ledian Spread	ds		
Duration	Aaa	Aa	Α	Baa	Ba	В	Caa
>=1 and <3	10	31	33	53	234	399	560
>=3 and <5	20	34	42	70	269	406	555
>=5 and <7	18	48	62	95	277	356	557
>=7	61	94	108	143	286	380	563
				Debt Counts			
Duration	Aaa	Aa	Α	Baa	Ba	В	Caa
>=1 and <3	34	127	497	826	278	229	50
>=3 and <5	39	124	493	983	292	234	73
>=5 and <7	20	88	382	764	198	121	27
>=7	62	289	1396	1966	208	42	5
				Issuer Counts	5		
Duration	Aaa	Aa	Α	Baa	Ba	В	Caa
>=1 and <3	10	54	252	503	206	184	46
>=3 and <5	9	53	275	563	197	194	69
>=5 and <7	9	38	221	472	142	100	25
>=7	8	52	347	613	99	29	4

Source: Moody's

MEDIAN 5-YEAR CDS SPREADS

Figure 12. Global Median CDS Spreads By Rating Category

Global Median Spreads by Fine	Rating Ca	tegory							
	Aaa	Aa1	Aa2	Aa3	A1	A2	A3	Baa1	Baa2
	13	16	20	25	32	40	45	50	55
		Baa3	Ba1	Ba2	Ba3	B1	B2	B3	Caa
		79	114	164	201	245	300	334	551
Global Median Spreads by Broa	id Rating C	Category							
	Aaa	Aa	Α	Baa	Ba	В	Caa		
	24	38	40	55	164	300	412	-	
Global Issuer Counts by Broad	Rating Cat	egory							
	Aaa	Aa	Α	Baa	Ba	В	Caa		
	9	53	166	345	100	45	31	-	
Source: Moody's, CMA									

Figure 13. Median CDS Spreads By Region

Region	Median CDS Spreads							
	Aaa	Aa	Α	Baa	Ba	В	Caa	
North America	24	38	41	60	166	286	387	
Europe	9	29	37	53	121	227	512	
Asia Pacific (ex.Japan)	16	22	42	66	104	313	-	
Japan	-	-	23	28	49	65	-	

Region	Issuer Counts							
	Aaa	Aa	Α	Baa	Ba	В	Caa	
North America	3	20	83	209	61	32	15	
Europe	6	33	79	124	28	10	14	
Asia Pacific (ex.Japan)	3	18	31	36	5	2	-	
Japan	-	-	32	15	3	1	-	

Source: Moody's, CMA

Figure 14. Global Median CDS Spreads by Sector

		Median CDS Spreads							
Sector	Aaa	Aa	Α	Baa	Ba	В	Caa		
Corporates	25	33	35	57	153	245	529		
Financials	9	29	41	60	152	482	286		
Sovereigns	9	11	42	60	102	482	-		
Banks	-	29	42	60	181	-	191		

Sector	Issuer Counts							
	Aaa	Aa	Α	Baa	Ba	В	Caa	
Corporates	4	24	143	329	89	46	25	
Financials	8	47	86	67	19	2	6	
Banks	-	35	54	28	11	-	5	
Sovereigns	8	6	5	7	3	2	-	

Figure 15. Global Financial Institutions Median CDS Spreads by Region

	Median CDS Spreads							
Region	Aaa	Aa	Α	Baa	Ba	В	Caa	
North America	9	42	46	63	166	-	506	
Europe	8	29	42	59	118	-	191	
Asia Pacific (ex.Japan)	15	22	42	66	102	355	-	
Japan	-	-	26	43	-	-	-	

Issuer Counts

Region	Aaa	Aa	Α	Baa	Ba	В	Caa
North America	1	8	22	24	7	-	1
Europe	5	26	38	26	6	-	5
Asia Pacific (ex.Japan)	2	13	14	12	3	1	-
Japan	-	-	11	2	-	-	-

Source: Moody's, CMA

Figure 16. Global Corporates Median CDS Spreads by Region

	Median CDS Spreads							
Region	Aaa	Aa	Α	Baa	Ba	В	Caa	
North America	25	35	38	60	166	286	369	
Europe	10	23	34	48	121	227	595	
Asia Pacific (ex.Japan)	33	23	41	66	132	271	-	
Japan	-	-	21	28	49	65	-	

Region	Issuer Counts							
	Aaa	Aa	А	Baa	Ba	В	Caa	
North America	2	12	61	185	54	32	14	
Europe	1	7	41	98	22	10	9	
Asia Pacific (ex.Japan)	1	5	17	24	2	1	-	
Japan	-	-	21	13	3	1	-	

© 2021 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-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 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 rating 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 produces 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 and have also publicly reported to the SEC an ownership interest in MCO of more than 5%, is posted annually at <u>www.moodys.com</u> under the heading "Investor Relations — Corporate Governance — 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 383569 (as applicable). This document is intended to be provided only to "wholesale clients" within the meaning of section 761G of the Corporations Act 2001. By continuing to access this document from within Australia, you represent to MOODY'S that you are, or are accessing the document as a representative of, a "wholesale client" and that neither you nor the entity you represent will directly or indirectly disseminate this document or its contents to "retail clients" within the meaning of section 761G of the Corporations Act 2001. MOODY'S credit rating is an opinion as to the creditworthiness of a debt obligation of the issuer, not on the equity securities of the issuer or any form of security that is available to retail investors.

Additional terms for 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 JPY125,000 to approximately JPY550,000,000.

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

REPORT NUMBER 1290466

CLIENT SERVICES

Americas	1-212-553-1653
Asia Pacific	852-3551-3077
Japan	81-3-5408-4100
EMEA	44-20-7772-5454

